

# Converting Colors

XYZ(76.2730, 90.6020, 95.2845)

Have a look what the booklet for  
XYZ(76.2730, 90.6020, 95.2845)  
contains.

<b>XYZ(76.2418, 90.5894, 95.1285)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(76.2418, 90.5894,  
95.1285)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CCFFEF
RGB	204, 255, 239
RGB Percent	80%, 100%, 94%
CMY	0.2000, 0.0000, 0.0627
CMYK	0.20, 0.00, 0.06, 0.00
HSL	161°, 100%, 90%
HSV	161°, 20%, 100%
XYZ	76.2418, 90.5894, 95.1285
YIQ	237.9270, -25.2600, -15.7880

# Conversions

## Conversions Part 2

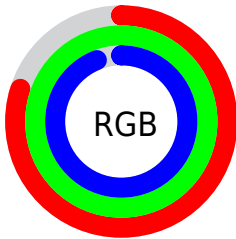
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 234, 255
Decimal	13434863
CIELab	96.24, -19.22, 2.32
CIELCh	96, 19.362, 173.113
Yxy	90.5894, 0.2910, 0.3458
Android (android.graphics.Color)	4291624943 (0xFFCCFFEF)
YUV	237.9270, 0.5290, -29.7540
Hunter-Lab	95.1785, -23.5766, 7.3660

# Details

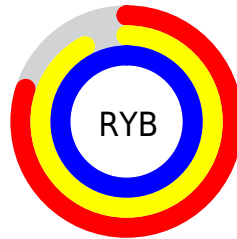
The XYZ color **76.2418, 90.5894, 95.1285** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.7516, 69.6140, 77.1546**, and the grayscale version is **81.2213, 85.4511, 93.0562**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1358, 50.1966, 52.3206** is the 20% darker color. If you saturate the color by 10%, you get **68.6597, 86.8141, 88.7412**, and if you desaturate by 10%, it is **85.0222, 94.9762, 101.8478**.

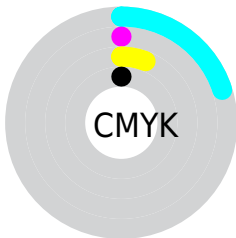
# Distribution



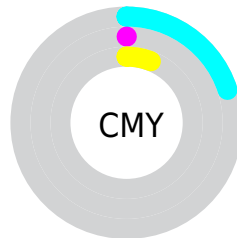
- Red (80%)
- Green (100%)
- Blue (94%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.2418, 90.5894, 95.1285 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 76.2418, 90.5894, 95.1285 by changing the saturation by 10% instead.




 76.2418, 90.5894,  
95.1285

 76.2418, 90.5894,  
95.1285


471.1067,  
529.9463, 565.5711

 56.9286, 68.4696,  
71.6445


127.0472,  
148.1568, 156.4392

 41.1878, 50.2799,  
52.3832


159.2700,  
184.3732, 195.1030

 28.6542, 35.6358,  
36.9263

196.5268,  
226.0573, 239.6637

 18.9623, 24.1531,  
24.8551

239.1828,  
273.5934, 290.5400

 11.7469, 15.4472,  
15.7511

287.6035,  
327.3660, 348.1503

 6.6425, 9.1338,  
9.1957

342.1541,

 3.2839, 4.8286,

387.7594, 412.9133

4.7705

403.2000,  
455.1580, 485.2474

■ 1.3056, 2.1470,  
2.0569

■ 0.1874, 0.6909,  
0.5899

■ 76.2418, 90.5894,  
95.1285

■ 76.2418, 90.5894,  
95.1285

■ 68.6597, 86.8141,  
88.7412

■ 85.0222, 94.9762,  
101.8478

■ 62.2170, 83.6204,  
82.6754

95.0500, 100.0000,  
108.9000

■ 56.8536, 80.9772,  
76.9261

■ 52.5027, 78.8501,  
71.4867

■ 49.0899, 77.2009,  
66.3498

■ 46.5299, 75.9857,  
61.5078

■ 44.7213, 75.1523,  
56.9519

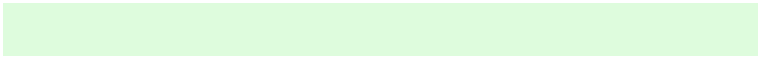
■ 43.4986, 74.6154,  
52.6706

■ 43.4985, 74.6154,  
52.6702

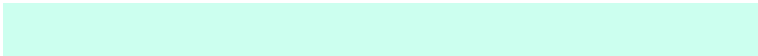
# Harmonies

## Analogous

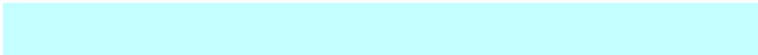
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0961, 90.5894, 81.9113



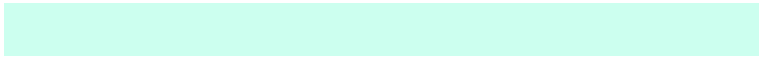
76.2418, 90.5894, 95.1285



76.9403, 90.5894, 110.7205

# Triad

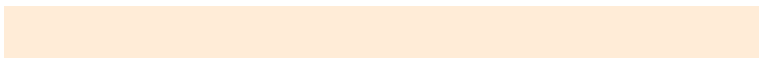
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.2418, 90.5894, 95.1285



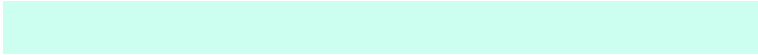
90.2245, 90.5894, 128.4491



92.4579, 90.5894, 76.8012

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



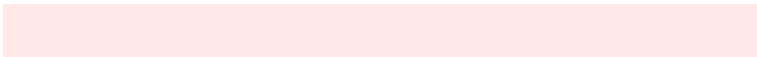
76.2418, 90.5894, 95.1285



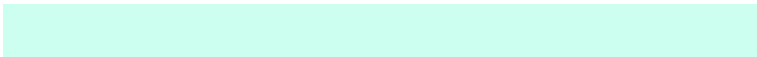
75.7516, 69.6140, 77.1546

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.9647, 90.5894, 87.4653



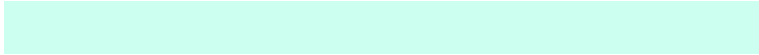
76.2418, 90.5894, 95.1285



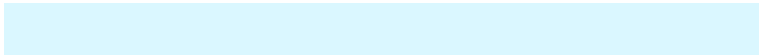
94.6382, 90.5894, 117.4961

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.2418, 90.5894, 95.1285



84.8688, 90.5894, 131.0454



96.7788, 90.5894, 102.2296

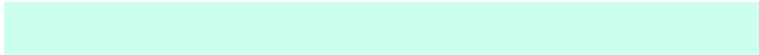


87.3482, 90.5894, 72.0667



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



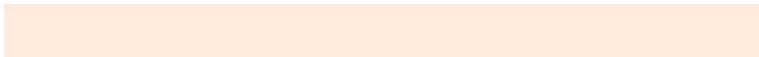
76.2418, 90.5894, 95.1285



78.7742, 90.5894, 120.2855



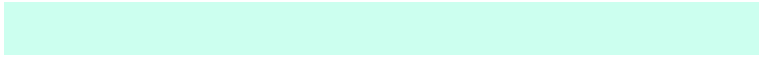
96.7788, 90.5894, 102.2296



93.8718, 90.5894, 79.7545

# Sweetspot

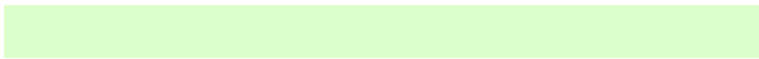
The Sweet Spot groups the original color and five complimentary colors.



76.2427, 90.5898, 95.1300



88.8802, 96.9075, 104.6278



76.2204, 91.1190, 70.6985



18.8862, 20.6732, 22.2967



0.0000, 0.0000, 0.0000

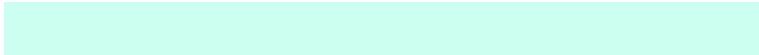


20.3446, 21.4041, 23.3091

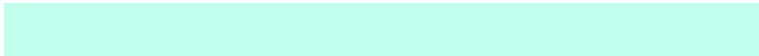


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.2427, 90.5898, 95.1300



73.0683, 89.0075, 92.5348



75.8019, 85.7567, 107.1653



18.2981, 20.3788, 21.8726



22.7994, 39.0163, 27.8926



2.2693, 3.8186, 2.9759



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



75.7516, 69.6140, 77.1546



72.4974, 64.5586, 71.5898



76.0221, 73.3853, 67.2860



18.2441, 18.0809, 19.9025



22.3643, 11.4350, 5.3028

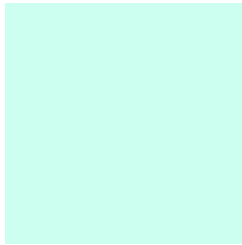


2.2244, 1.1321, 0.7630



# Previews

## White Background



This preview shows how the XYZ color 76.2418, 90.5894, 95.1285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

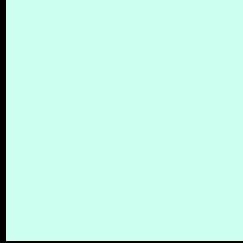
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.2418, 90.5894, 95.1285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

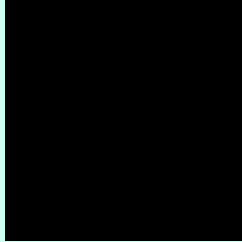
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

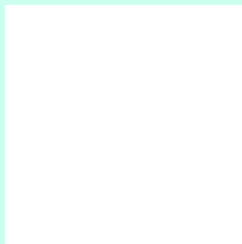
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.2418, 90.5894, 95.1285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.2418, 90.5894, 95.1285.



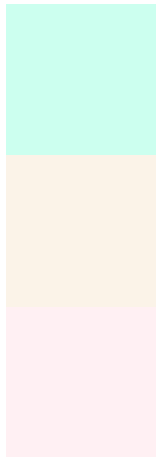
This preview shows how white text looks on a background with the XYZ color 76.2418, 90.5894,

95.1285.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

76.2418, 90.5894, 95.1285

### Protanopia

86.3997, 90.4366, 89.2462

### Deuteranopia

88.5778, 90.0512, 97.5071



## Tritanopia

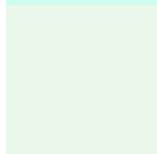
83.6389, 89.9545, 107.5625

# Trichromacy



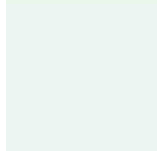
## Original Color

76.2418, 90.5894, 95.1285



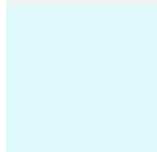
## Protanomaly

82.1878, 90.0121, 91.6396



## Deuteranomaly

83.2715, 89.5485, 96.9001



## Tritanomaly

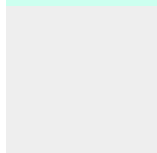
80.7934, 89.9631, 102.7289

# Monochromacy



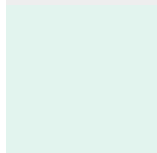
## Original Color

76.2418, 90.5894, 95.1285



## Achromatopsia

81.2670, 85.4993, 93.1087



## Achromatomaly

79.1473, 87.0432, 93.5184

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.2418, 90.5894, 95.1285 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(204, 255, 239)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 239)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(204, 255, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 76.2418, 90.5894, 95.1285 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 239) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(204, 255, 239) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(204, 255, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 239);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.2418, 90.5894, 95.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 255, 239) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(204,  
255, 239) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor