

# Converting Colors

XYZ(82.9819, 103.0815,  
97.8295)

Have a look what the booklet for  
XYZ(82.9819, 103.0815, 97.8295)  
contains.

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# Color

**XYZ(76.9418, 90.9331,  
95.9347)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEFFF0
RGB	206, 255, 240
RGB Percent	81%, 100%, 94%
CMY	0.1921, 0.0000, 0.0588
CMYK	0.19, 0.00, 0.06, 0.00
HSL	162°, 100%, 90%
HSV	162°, 19%, 100%
XYZ	76.9418, 90.9331, 95.9347
YIQ	238.6390, -24.3890, -15.0530

# Conversions

## Conversions Part 2

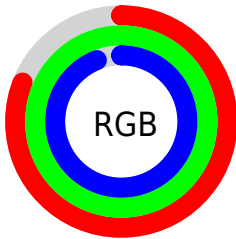
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 235, 255
Decimal	13565936
CIE Lab	96.38, -18.42, 2.03
CIE LCh	96, 18.527, 173.717
Yxy	90.9331, 0.2917, 0.3447
Android (android.graphics.Color)	4291756016 (0xFFCEFFF0)
YUV	238.6390, 0.6710, -28.6244
Hunter-Lab	95.3588, -22.8524, 7.1032

# Details

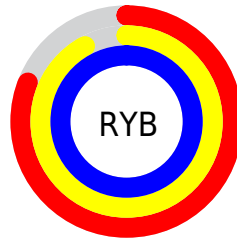
The XYZ color **76.9418, 90.9331, 95.9347** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.3631, 70.6242, 78.0139**, and the grayscale version is **81.7717, 86.0302, 93.6869**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.6083, 50.4282, 52.8880** is the 20% darker color. If you saturate the color by 10%, you get **69.2930, 87.1211, 89.6542**, and if you desaturate by 10%, it is **85.7908, 95.3580, 102.5346**.

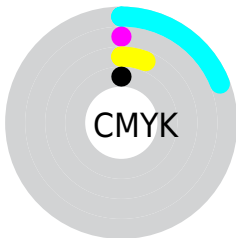
# Distribution



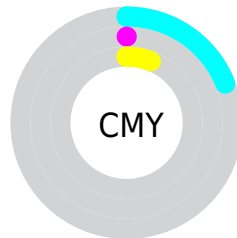
- Red (81%)
- Green (100%)
- Blue (94%)



- Red (81%)
- Yellow (92%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (19%)
- Magenta (0%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.9418, 90.9331, 95.9347 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 76.9418, 90.9331, 95.9347 by changing the saturation by 10% instead.




 76.9418, 90.9331,  
95.9347

 76.9418, 90.9331,  
95.9347


473.4606,  
531.0615, 568.2136

 57.5049, 68.7548,  
72.3120


128.0306,  
148.6338, 157.5620

 41.6524, 50.5121,  
52.9252

160.4132,  
184.9251, 196.4036

 29.0192, 35.8204,  
37.3557


197.8417,  
226.6894, 241.1553

 19.2397, 24.2955,  
25.1851

240.6815,  
274.3113, 292.2356

 11.9486, 15.5530,  
15.9947

289.2979,  
328.1750, 350.0630

 6.7806, 9.2084,  
9.3661

344.0563,

 3.3704, 4.8774,

388.6650, 415.0562

4.8807

405.3221,  
456.1657, 487.6335

■ 1.3525, 2.1755,  
2.1199

■ 0.2220, 0.7066,  
0.6276

■ 76.9418, 90.9331,  
95.9347

■ 76.9418, 90.9331,  
95.9347

■ 69.2930, 87.1211,  
89.6542

■ 85.7908, 95.3580,  
102.5346

■ 62.7856, 83.8918,  
83.6829

95.0500, 100.0000,  
108.9000

■ 57.3603, 81.2148,  
78.0161

■ 52.9506, 79.0557,  
72.6474

■ 49.4828, 77.3768,  
67.5698

■ 46.8728, 76.1347,  
62.7760

■ 45.0208, 75.2781,  
58.2577

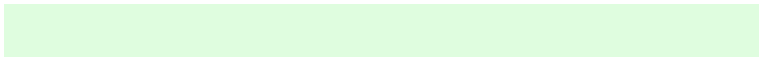
■ 43.7766, 74.7295,  
54.0041

■ 43.6903, 74.6921,  
53.6806

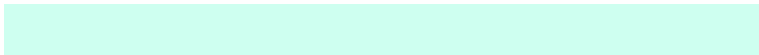
# Harmonies

## Analogous

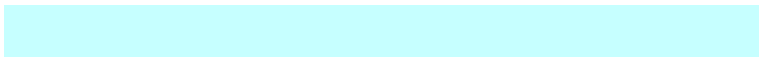
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.6791, 90.9331, 83.1364



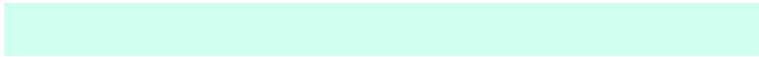
76.9418, 90.9331, 95.9347



77.6640, 90.9331, 110.8791

# Triad

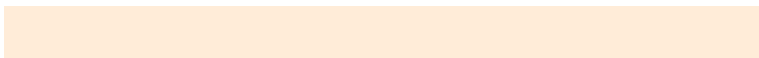
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.9418, 90.9331, 95.9347



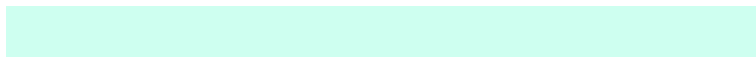
90.4796, 90.9331, 127.3563



92.4317, 90.9331, 77.8356

# Complementary

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



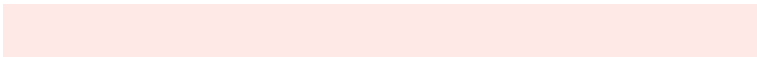
76.9418, 90.9331, 95.9347



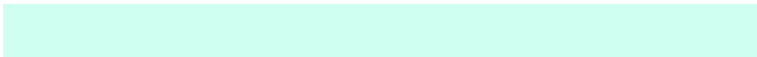
76.3631, 70.6242, 78.0139

# 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.



95.8303, 90.9331, 88.0209



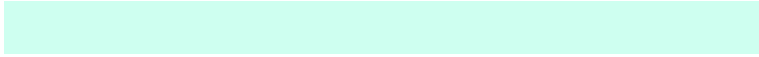
76.9418, 90.9331, 95.9347



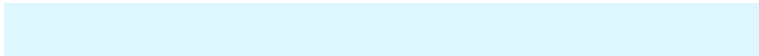
94.6722, 90.9331, 116.7870

# Square

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



76.9418, 90.9331, 95.9347



85.3484, 90.9331, 130.0096



96.6661, 90.9331, 102.1517

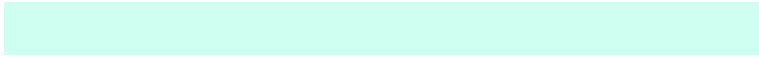


87.5191, 90.9331, 73.3780



# Rectangle

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



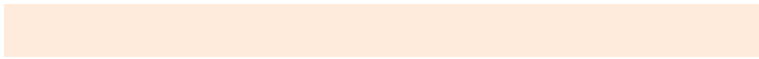
76.9418, 90.9331, 95.9347



79.4579, 90.9331, 119.9643



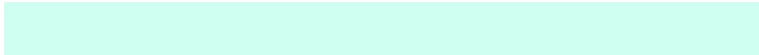
96.6661, 90.9331, 102.1517



93.7968, 90.9331, 80.6511

# Sweetspot

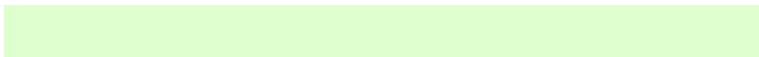
The Sweet Spot groups the original color and five complimentary colors.



76.9427, 90.9335, 95.9362



88.8984, 96.9148, 104.7241



76.8777, 91.4300, 71.9898



18.8905, 20.6749, 22.3195



0.0000, 0.0000, 0.0000

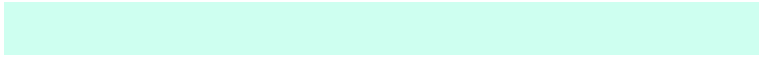


20.3446, 21.4041, 23.3091

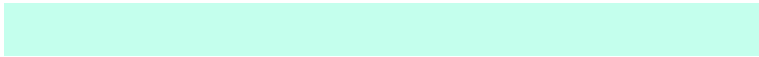


# Same Dimension

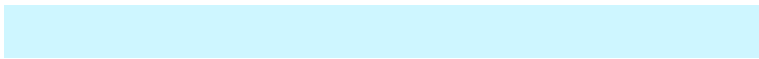
The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9427, 90.9335, 95.9362



73.9091, 89.4199, 93.5214



76.4652, 86.2641, 107.2282



18.3042, 20.3812, 21.9047



22.8989, 39.0562, 28.4167



2.2784, 3.8223, 3.0239



# Inverse Universe

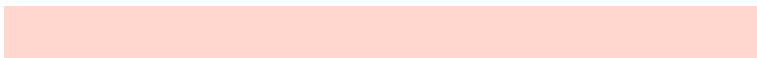
The Inverse Universe completely reimagines the original color for something new.



76.3631, 70.6242, 78.0139



73.2353, 65.7685, 72.6558



76.6775, 74.3097, 68.6958



18.2383, 18.0786, 19.8719



22.3264, 11.4198, 5.1031

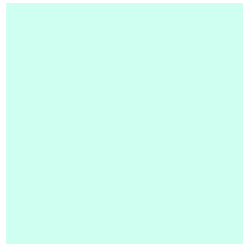


2.2201, 1.1304, 0.7405



# Previews

## White Background



This preview shows how the XYZ color 76.9418, 90.9331, 95.9347 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

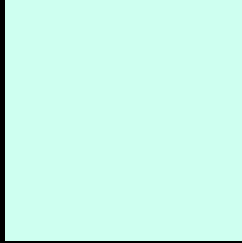
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.9418, 90.9331, 95.9347 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

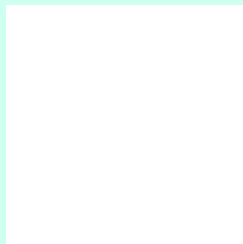
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 76.9418, 90.9331, 95.9347

## Background



This preview shows how black text looks on a background with the XYZ color 76.9418, 90.9331, 95.9347.



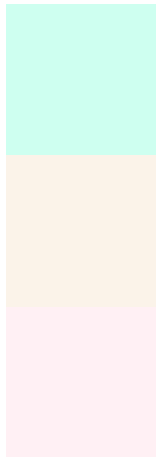
This preview shows how white text looks on a background with the XYZ color 76.9418, 90.9331,

95.9347.

# 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

76.9418, 90.9331, 95.9347

### Protanopia

86.5422, 90.4936, 89.9965

### Deuteranopia

88.7292, 90.1118, 98.3047



## **Tritanopia**

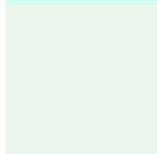
84.5895, 90.8973, 107.6943

# Trichromacy



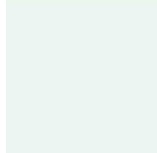
## Original Color

76.9418, 90.9331, 95.9347



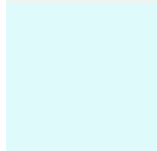
## Protanomaly

82.6620, 90.2398, 92.4182



## Deuteranomaly

83.7551, 89.7804, 97.7090



## Tritanomaly

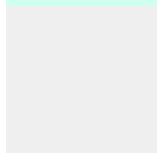
81.8724, 90.9613, 103.6846

# Monochromacy



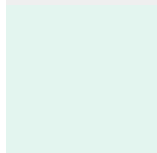
## Original Color

76.9418, 90.9331, 95.9347



## Achromatopsia

82.0431, 86.3157, 93.9978



## Achromatomaly

79.9109, 87.8677, 94.4098

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.9418, 90.9331, 95.9347 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(206, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(206, 255, 240)  
}
```

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(206, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 76.9418, 90.9331, 95.9347 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(206, 255, 240) }
```



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

```
.border{ border-color:rgb(206, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.9418, 90.9331, 95.9347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 240) }
```

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

```
.background{ background-color: rgb(206,  
255, 240) }
```

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](#).

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