

# Converting Colors

XYZ(76.0416, 90.5094, 94.0695)

Have a look what the booklet for  
XYZ(76.0416, 90.5094, 94.0695)  
contains.

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# Color

**XYZ(76.0945, 90.5304,  
94.3524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCFFEE
RGB	204, 255, 238
RGB Percent	80%, 100%, 93%
CMY	0.2000, 0.0000, 0.0667
CMYK	0.20, 0.00, 0.07, 0.00
HSL	160°, 100%, 90%
HSV	160°, 20%, 100%
XYZ	76.0945, 90.5304, 94.3524
YIQ	237.8130, -24.9390, -16.0990

# Conversions

## Conversions Part 2

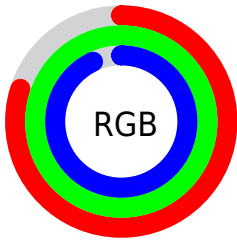
<b>Format</b>	<b>Color</b>
<b>RYB</b>	204, 235, 255
Decimal	13434862
CIELab	96.22, -19.42, 2.80
CIElCh	96, 19.618, 171.791
Yxy	90.5304, 0.2916, 0.3469
Android (android.graphics.Color)	4291624942 (0xFFCCFFEE)
YUV	237.8130, 0.0922, -29.6540
Hunter-Lab	95.1475, -23.7521, 7.8087

# Details

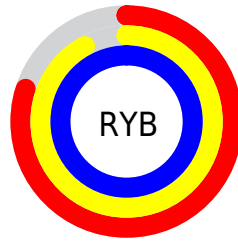
The XYZ color **76.0945, 90.5304, 94.3524** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.8847, 69.6674, 77.8547**, and the grayscale version is **81.1363, 85.3617, 92.9589**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.0320, 50.1551, 51.7743** is the 20% darker color. If you saturate the color by 10%, you get **68.4487, 86.7298, 87.6299**, and if you desaturate by 10%, it is **84.9453, 94.9454, 101.4420**.

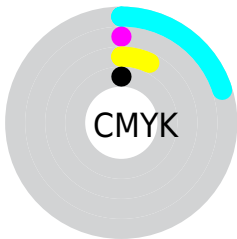
# Distribution



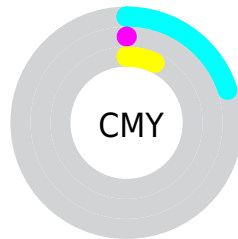
- Red (80%)
- Green (100%)
- Blue (93%)



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



- Cyan (20%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (7%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.0945, 90.5304, 94.3524 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 76.0945, 90.5304, 94.3524 by changing the saturation by 10% instead.




 76.0945, 90.5304,  
94.3524

 76.0945, 90.5304,  
94.3524


470.6105,  
529.7547, 563.0210

 56.8073, 68.4206,  
71.0022


126.8401,  
148.0749, 155.3575

 41.0901, 50.2400,  
51.8621


159.0293,  
184.2785, 193.8494

 28.5775, 35.6041,  
36.5137

196.2498,  
225.9487, 238.2257

 18.9041, 24.1286,  
24.5384

238.8671,  
273.4701, 288.9049

 11.7046, 15.4291,  
15.5176

287.2464,  
327.2270, 346.3054

 6.6136, 9.1211,  
9.0328

341.7532,

 3.2658, 4.8202,

387.6038, 410.8459

4.6655

402.7528,  
454.9849, 482.9449

■ 1.2958, 2.1422,  
1.9971

■ 0.1801, 0.6882,  
0.5535

■ 76.0945, 90.5304,  
94.3524

■ 76.0945, 90.5304,  
94.3524

■ 68.4487, 86.7298,  
87.6299

■ 84.9453, 94.9454,  
101.4420

■ 61.9489, 83.5132,  
81.2632

95.0500, 100.0000,  
108.9000

■ 56.5347, 80.8496,  
75.2466

■ 52.1393, 78.7047,  
69.5726

■ 48.6880, 77.0401,  
64.2333

■ 46.0955, 75.8119,  
59.2201

■ 44.2601, 74.9678,  
54.5235

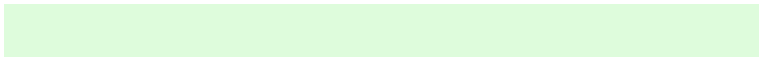
■ 43.0163, 74.4225,  
50.1309

■ 43.0162, 74.4225,  
50.1305

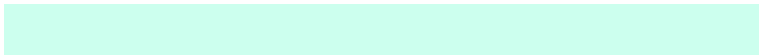
# Harmonies

## Analogous

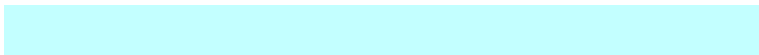
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.0793, 90.5304, 81.1647



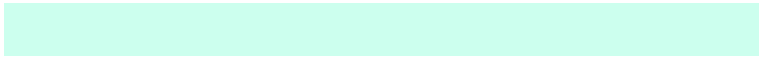
76.0945, 90.5304, 94.3524



76.6864, 90.5304, 110.1270

# Triad

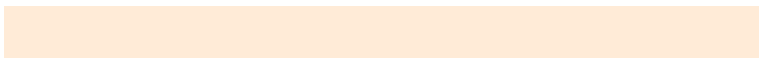
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.0945, 90.5304, 94.3524



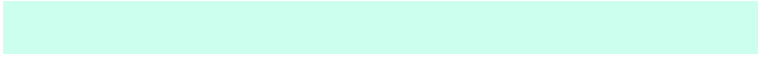
89.9917, 90.5304, 129.1175



92.6861, 90.5304, 76.8392

# Complementary

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



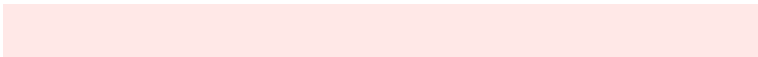
76.0945, 90.5304, 94.3524



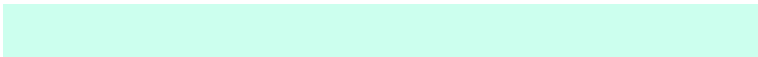
75.8847, 69.6674, 77.8547

# 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.



96.1387, 90.5304, 87.8553



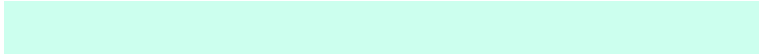
76.0945, 90.5304, 94.3524



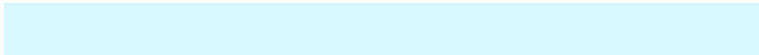
94.5379, 90.5304, 118.3061

# Square

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



76.0945, 90.5304, 94.3524



84.5601, 90.5304, 131.3270



96.8303, 90.5304, 102.9160

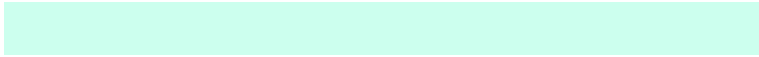


87.5501, 90.5304, 71.7739



# Rectangle

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



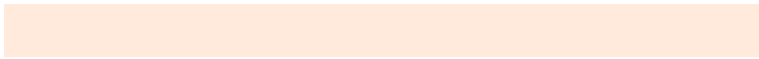
76.0945, 90.5304, 94.3524



78.4741, 90.5304, 119.9346



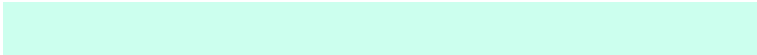
96.8303, 90.5304, 102.9160



94.0909, 90.5304, 79.9102

# Sweetspot

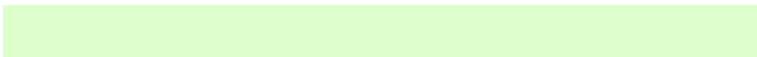
The Sweet Spot groups the original color and five complimentary colors.



76.0954, 90.5309, 94.3539



88.8331, 96.8887, 104.3799



76.4787, 91.2522, 70.7109



18.8751, 20.6687, 22.2380



0.0000, 0.0000, 0.0000

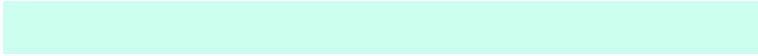


20.3446, 21.4041, 23.3091

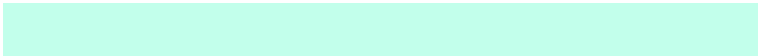


# Same Dimension

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



76.0954, 90.5309, 94.3539



72.8947, 88.9380, 91.6203



76.0607, 86.2741, 107.2515



18.2823, 20.3725, 21.7898



22.5491, 38.9162, 26.5744



2.2463, 3.8094, 2.8547



# Inverse Universe

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



75.8847, 69.6674, 77.8547



72.6503, 64.6198, 72.3953



75.8086, 72.9581, 67.2151



18.2591, 18.0869, 19.9815



22.4670, 11.4761, 5.8437

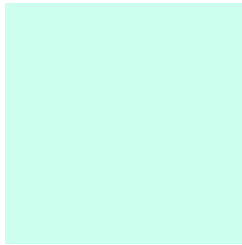


2.2358, 1.1367, 0.8232



# Previews

## White Background



This preview shows how the XYZ color 76.0945, 90.5304, 94.3524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

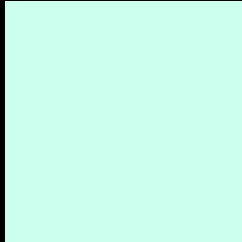
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.0945, 90.5304, 94.3524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

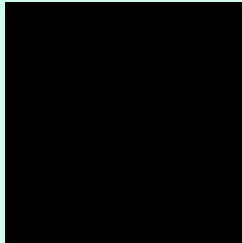
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

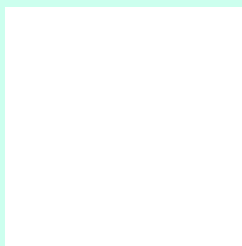
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 76.0945, 90.5304, 94.3524**

## **Background**



This preview shows how black text looks on a background with the XYZ color 76.0945, 90.5304, 94.3524.



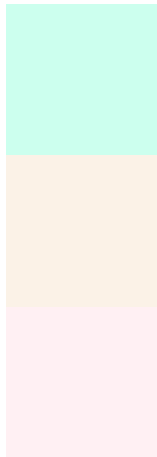
This preview shows how white text looks on a background with the XYZ color 76.0945, 90.5304,

94.3524.

# 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

76.0945, 90.5304, 94.3524

### Protanopia

85.9596, 89.7830, 88.4006

### Deuteranopia

88.5778, 90.0512, 97.5071



## Tritanopia

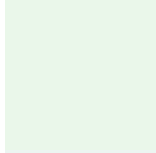
83.6389, 89.9545, 107.5625

# Trichromacy



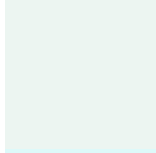
## Original Color

76.0945, 90.5304, 94.3524



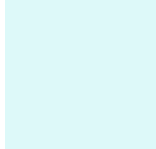
## Protanomaly

82.0437, 89.9545, 90.8807



## Deuteranomaly

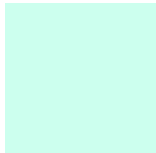
83.1217, 89.4886, 96.1111



## Tritanomaly

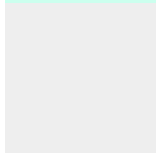
80.7934, 89.9631, 102.7289

# Monochromacy



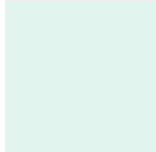
## Original Color

76.0945, 90.5304, 94.3524



## 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 76.0945, 90.5304, 94.3524 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 238) }
```

## Border

The CSS property to change the border of an element to XYZ 76.0945, 90.5304, 94.3524 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, 238) }
```



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

```
.border{ border-color:rgb(204, 255, 238) }
```

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, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
238) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.0945, 90.5304, 94.3524 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, 238) }
```

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

```
.background{ background-color: rgb(204,  
255, 238) }
```

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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