

# Converting Colors

XYZ(76.4947, 87.1425,  
107.3962)

Have a look what the booklet for  
XYZ(76.4947, 87.1425, 107.3962)  
contains.

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# **Color**

**XYZ(76.5192, 87.1922,  
107.4045)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCF8FF
RGB	204, 248, 255
RGB Percent	80%, 97%, 100%
CMY	0.2000, 0.0274, 0.0000
CMYK	0.20, 0.03, 0.00, 0.00
HSL	188°, 100%, 90%
HSV	188°, 20%, 100%
XYZ	76.5192, 87.1922, 107.4045
YIQ	235.6420, -28.4710, -7.1510

# Conversions

## Conversions Part 2

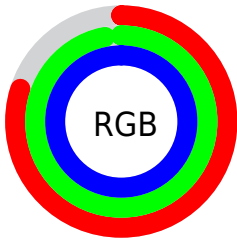
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 228, 255
Decimal	13433087
CIE <sub>Lab</sub>	94.82, -12.53, -8.02
CIE <sub>LCh</sub>	95, 14.882, 212.619
Yxy	87.1922, 0.2822, 0.3216
Android (android.graphics.Color)	4291623167 (0xFFCCCF8FF)
YUV	235.6420, 9.5435, -27.7500
Hunter-Lab	93.3768, -17.1344, -2.8332

# Details

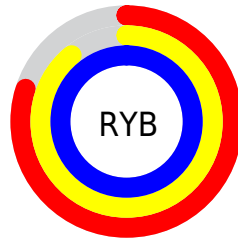
The XYZ color **76.5192, 87.1922, 107.4045** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4330, 72.2070, 67.0899**, and the grayscale version is **79.4020, 83.5371, 90.9719**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.4371, 48.1661, 60.5391** is the 20% darker color. If you saturate the color by 10%, you get **69.0292, 81.7517, 106.7492**, and if you desaturate by 10%, it is **85.1781, 93.2697, 108.1212**.

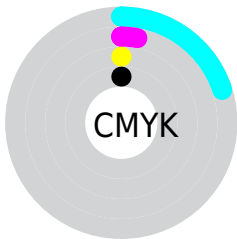
# Distribution



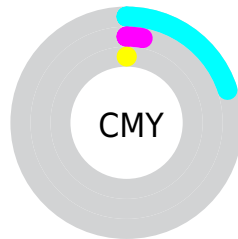
- Red (80%)
- Green (97%)
- Blue (100%)



- Red (80%)
- Yellow (89%)
- Blue (100%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 76.5192, 87.1922, 107.4045 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 76.5192, 87.1922, 107.4045 by changing the saturation by 10% instead.



76.5192, 87.1922,  
107.4045

76.5192, 87.1922,  
107.4045

472.0403,  
518.8542, 605.1285

57.1569, 65.6543,  
81.8473

127.4370,  
143.4320, 173.4363

41.3718, 47.9918,  
60.7046

159.7232,  
178.9027, 214.7481

28.7987, 33.8204,  
43.5578

197.0481,  
219.7864, 262.1485

19.0721, 22.7557,  
29.9884

239.7771,  
266.4675, 316.0560

11.8267, 14.4132,  
19.5778

288.2754,  
319.3305, 376.8892

6.6971, 8.4086,  
11.9075

342.9085,

3.3181, 4.3575,

378.7596, 445.0667

6.5589

404.0416,  
445.1394, 521.0069

■ 1.3241, 1.8755,  
3.1136

■ 0.2012, 0.5336,  
1.1529

■ 76.5192, 87.1922,  
107.4045

■ 76.5192, 87.1922,  
107.4045

■ 69.0292, 81.7517,  
106.7492

■ 85.1781, 93.2697,  
108.1212

■ 62.6456, 76.9090,  
106.1509

95.0500, 100.0000,  
108.9000

■ 57.3101, 72.6361,  
105.6074

■ 52.9568, 68.8989,  
105.1154

■ 49.5115, 65.6590,  
104.6717

■ 46.8898, 62.8727,  
104.2720

■ 44.9907, 60.4877,  
103.9118

■ 43.6496, 58.4191,  
103.5832

■ 43.6495, 58.4189,  
103.5832

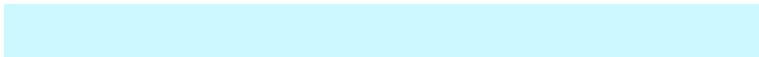
# Harmonies

## Analogous

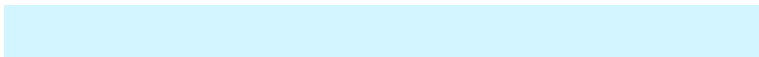
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.3742, 87.1922, 95.9547



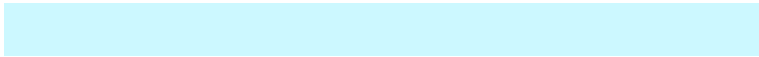
76.5192, 87.1922, 107.4045



79.3620, 87.1922, 116.0293

# Triad

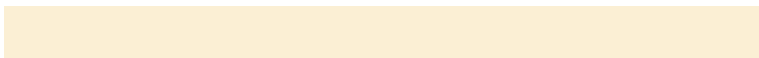
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



76.5192, 87.1922, 107.4045



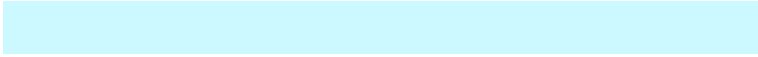
89.9436, 87.1922, 105.5095



82.5201, 87.1922, 74.4568

# Complementary

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



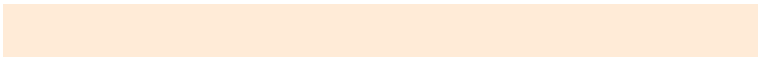
76.5192, 87.1922, 107.4045



75.4330, 72.2070, 67.0899

# 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.



86.4872, 87.1922, 76.5703



76.5192, 87.1922, 107.4045



90.8546, 87.1922, 93.9274

# Square

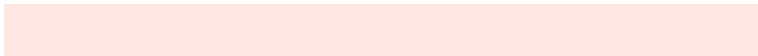
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.5192, 87.1922, 107.4045



87.1194, 87.1922, 114.8745



89.5703, 87.1922, 83.4746



78.7679, 87.1922, 77.4520

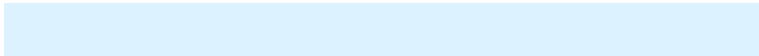


# Rectangle

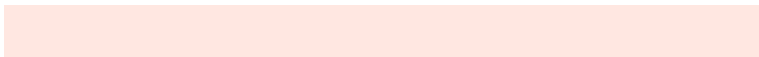
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.5192, 87.1922, 107.4045



81.8825, 87.1922, 118.6801



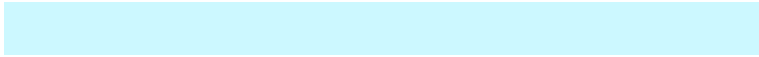
89.5703, 87.1922, 83.4746



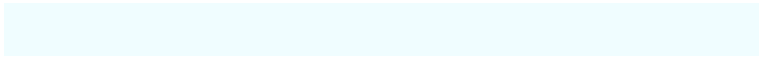
83.8726, 87.1922, 74.5935

# Sweetspot

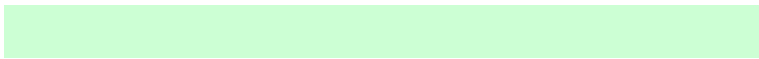
The Sweet Spot groups the original color and five complimentary colors.



76.5215, 87.1957, 107.4051



88.9776, 95.8811, 108.4250



72.3956, 89.0510, 74.8710



18.9092, 20.4297, 23.1966



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.



76.5215, 87.1957, 107.4051



73.3871, 84.9435, 107.1356



69.2605, 72.6737, 104.9848



18.3299, 20.0314, 23.1503



22.8899, 30.6893, 54.1518



2.2848, 3.1003, 5.2913



# Inverse Universe

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



79.7775, 71.2245, 98.3541



77.2150, 66.4457, 96.4326



82.2215, 85.7841, 69.3527



18.6792, 18.2550, 22.1937



28.3419, 13.8261, 36.7807

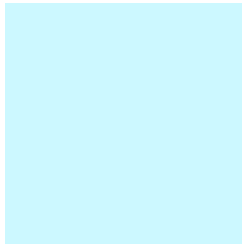


2.7879, 1.3575, 3.7303



# Previews

## White Background



This preview shows how the XYZ color 76.5192, 87.1922, 107.4045 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

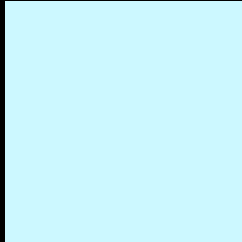
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 76.5192, 87.1922, 107.4045 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 76.5192, 87.1922, 107.4045

## Background



This preview shows how black text looks on a background with the XYZ color 76.5192, 87.1922, 107.4045.



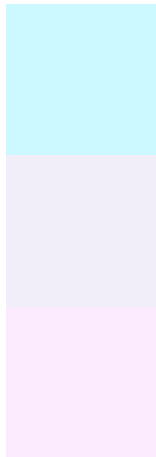
This preview shows how white text looks on a background with the XYZ color 76.5192, 87.1922,



# 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

76.5192, 87.1922, 107.4045

### Protanopia

83.9490, 86.6894, 101.9307

### Deuteranopia

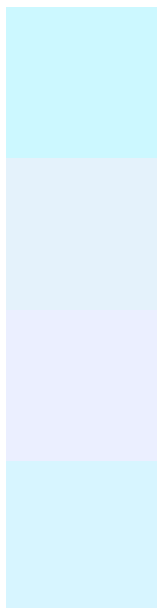
87.6177, 86.7611, 106.7364



## Tritanopia

79.9194, 86.6933, 107.1290

# Trichromacy



## Original Color

76.5192, 87.1922, 107.4045

## Protanomaly

81.1596, 86.9633, 103.7748

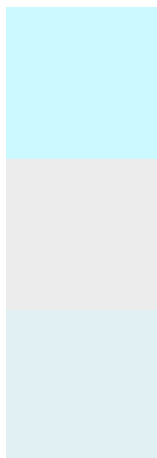
## Deuteranomaly

83.1775, 86.6152, 106.9422

## Tritanomaly

78.7267, 86.9719, 107.2457

# Monochromacy



## Original Color

76.5192, 87.1922, 107.4045

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

78.0782, 84.6385, 97.0157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 76.5192, 87.1922, 107.4045 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, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(204, 248, 255)  
}
```

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, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 76.5192, 87.1922, 107.4045 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, 248, 255) }
```



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

```
.border{ border-color:rgb(204, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(204, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 76.5192, 87.1922, 107.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 248, 255) }
```

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

```
.background{ background-color: rgb(204,  
248, 255) }
```

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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