

# Converting Colors

XYZ(80.2146, 89.0175,  
132.2505)

Have a look what the booklet for  
XYZ(80.2146, 89.0175, 132.2505)  
contains.

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# Color

**XYZ(75.4789, 87.1135,  
107.4442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7F9FF
RGB	199, 249, 255
RGB Percent	78%, 98%, 100%
CMY	0.2196, 0.0235, 0.0000
CMYK	0.22, 0.02, 0.00, 0.00
HSL	186°, 100%, 89%
HSV	186°, 22%, 100%
XYZ	75.4789, 87.1135, 107.4442
YIQ	234.7340, -31.7260, -8.7340

# Conversions

## Conversions Part 2

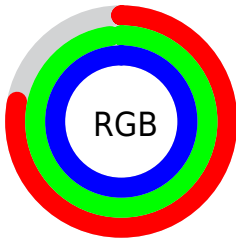
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 225, 255
Decimal	13105663
CIE Lab	94.79, -14.51, -8.10
CIE LCh	95, 16.618, 209.187
Yxy	87.1135, 0.2795, 0.3226
Android (android.graphics.Color)	4291295743 (0xFFC7F9FF)
YUV	234.7340, 9.9911, -31.3387
Hunter-Lab	93.3346, -18.9842, -2.9188

# Details

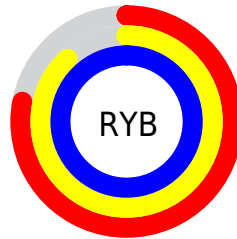
The XYZ color **75.4789, 87.1135, 107.4442** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.3800, 69.0453, 63.4942**, and the grayscale version is **78.7091, 82.8081, 90.1780**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **40.7646, 48.1464, 60.5707** is the 20% darker color. If you saturate the color by 10%, you get **68.4345, 82.2406, 106.8749**, and if you desaturate by 10%, it is **83.6738, 92.6022, 108.0717**.

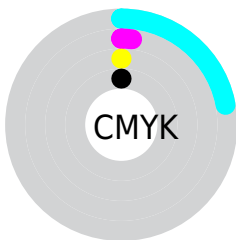
# Distribution



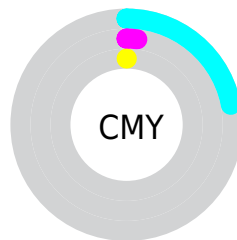
- Red (78%)
- Green (98%)
- Blue (100%)



- Red (78%)
- Yellow (88%)
- Blue (100%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.4789, 87.1135, 107.4442 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 75.4789, 87.1135, 107.4442 by changing the saturation by 10% instead.



75.4789, 87.1135,  
107.4442

75.4789, 87.1135,  
107.4442

468.5339,  
518.5958, 605.2542

56.3009, 65.5891,  
81.8805

125.9743,  
143.3223, 173.4910

40.6821, 47.9389,  
60.7318

158.0224,  
178.7756, 214.8111

28.2574, 33.7785,  
43.5796

195.0913,  
219.6406, 262.2204

18.6612, 22.7235,  
30.0054

237.5462,  
266.3018, 316.1375

11.5283, 14.3895,  
19.5906

285.7525,  
319.1435, 376.9809

6.4932, 8.3921,  
11.9167

340.0757,

3.1907, 4.3468,

378.5501, 445.1691

6.5651

400.8810,  
444.9061, 521.1207

■ 1.2554, 1.8694,  
3.1174

■ 0.1495, 0.5299,  
1.1549

■ 75.4789, 87.1135,  
107.4442

■ 75.4789, 87.1135,  
107.4442

■ 68.4345, 82.2406,  
106.8749

■ 83.6738, 92.6022,  
108.0717

■ 62.4772, 77.9440,  
106.3595

■ 93.0650, 98.7237,  
108.7583

■ 57.5480, 74.1954,  
105.8958

■ 95.0500, 100.0000,  
108.9000

■ 53.5793, 70.9600,  
105.4805

■ 50.4956, 68.1987,  
105.1100

■ 48.2096, 65.8665,  
104.7803

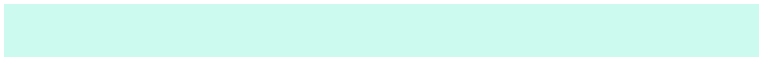
■ 46.6164, 63.9091,  
104.4865

■ 45.7109, 62.5417,  
104.2703

# Harmonies

## Analogous

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



74.4525, 87.1135, 94.5009



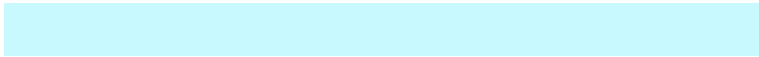
75.4789, 87.1135, 107.4442



78.4492, 87.1135, 117.7424

# Triad

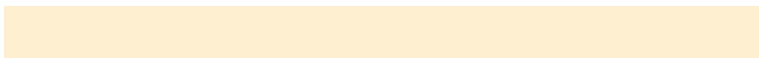
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.4789, 87.1135, 107.4442



90.4470, 87.1135, 108.1068



82.9215, 87.1135, 72.1884

# Complementary

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



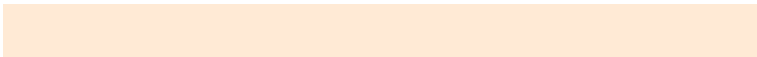
75.4789, 87.1135, 107.4442



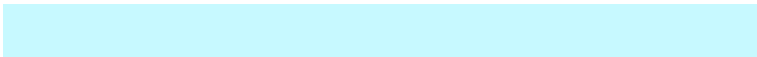
73.3800, 69.0453, 63.4942

# 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.



87.3062, 87.1135, 75.1387



75.4789, 87.1135, 107.4442



91.7465, 87.1135, 95.2035

# Square

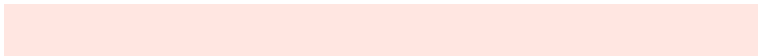
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.4789, 87.1135, 107.4442



87.0862, 87.1135, 118.1486



90.5772, 87.1135, 83.2838



78.6544, 87.1135, 74.8383

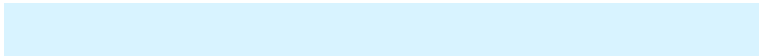


# Rectangle

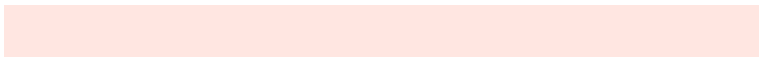
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.4789, 87.1135, 107.4442



81.1876, 87.1135, 121.3064



90.5772, 87.1135, 83.2838



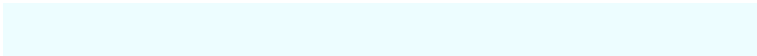
84.4311, 87.1135, 72.5534

# Sweetspot

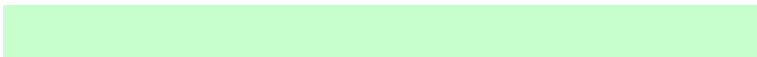
The Sweet Spot groups the original color and five complimentary colors.



75.4812, 87.1169, 107.4447



88.1785, 95.5571, 108.4046



70.2855, 88.0511, 70.7976



18.7531, 20.3744, 23.1942



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.



75.4812, 87.1169, 107.4447



72.4992, 85.0750, 107.2077



67.5666, 71.2878, 104.8065



18.3790, 20.1295, 23.1667



23.9519, 32.8134, 54.5058



2.3777, 3.2862, 5.3222



# Inverse Universe

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



78.7638, 68.9481, 98.7836



76.3012, 64.2975, 97.1163



80.5753, 83.4359, 65.8926



18.7039, 18.2649, 22.3240



28.8780, 14.0405, 39.6037

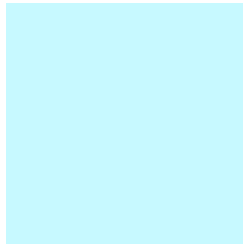


2.8348, 1.3763, 3.9773



# Previews

## White Background



This preview shows how the XYZ color 75.4789, 87.1135, 107.4442 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

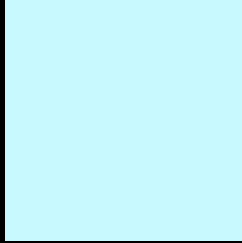
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.4789, 87.1135, 107.4442 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 75.4789, 87.1135, 107.4442

## Background



This preview shows how black text looks on a background with the XYZ color 75.4789, 87.1135, 107.4442.



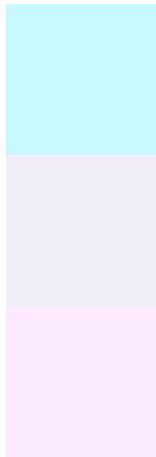
This preview shows how white text looks on a background with the XYZ color 75.4789, 87.1135,

107.4442.

# 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

75.4789, 87.1135, 107.4442

### Protanopia

83.7934, 86.6272, 101.1113

### Deuteranopia

87.2565, 86.5749, 106.7195



## Tritanopia

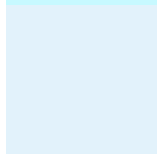
79.6141, 86.9814, 107.2007

# Trichromacy



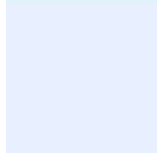
## Original Color

75.4789, 87.1135, 107.4442



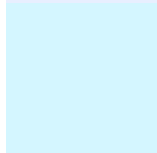
## Protanomaly

80.5287, 86.6380, 103.7453



## Deuteranomaly

82.1952, 86.1088, 106.8963



## Tritanomaly

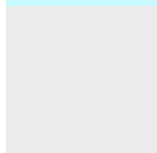
78.1571, 87.1286, 107.3059

# Monochromacy



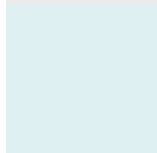
## Original Color

75.4789, 87.1135, 107.4442



## Achromatopsia

78.9647, 83.0770, 90.4708



## Achromatomaly

77.3113, 84.2606, 96.1936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.4789, 87.1135, 107.4442 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(199, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(199, 249, 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(199, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.4789, 87.1135, 107.4442 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(199, 249, 255) }
```



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

```
.border{ border-color:rgb(199, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(199, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.4789, 87.1135, 107.4442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 249, 255) }
```

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

```
.background{ background-color: rgb(199,  
249, 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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