

# Converting Colors

XYZ(82.8312, 100.0000,  
123.8794)

Have a look what the booklet for  
XYZ(82.8312, 100.0000, 123.8794)  
contains.

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# Color

**XYZ(75.5482, 89.9465,  
107.9873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0FFFF
RGB	192, 255, 255
RGB Percent	75%, 100%, 100%
CMY	0.2470, 0.0000, 0.0000
CMYK	0.25, 0.00, 0.00, 0.00
HSL	180°, 100%, 88%
HSV	180°, 25%, 100%
XYZ	75.5482, 89.9465, 107.9873
YIQ	236.1630, -37.5480, -13.3560

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	192, 224, 255
Decimal	12648447
CIE <sub>Lab</sub>	95.97, -19.49, -6.39
CIE <sub>LCh</sub>	96, 20.509, 198.155
Yxy	89.9465, 0.2762, 0.3289
Android (android.graphics.Color)	4290838527 (0xFFC0FFFF)
YUV	236.1630, 9.2866, -38.7310
Hunter-Lab	94.8401, -23.7798, -1.1210

# Details

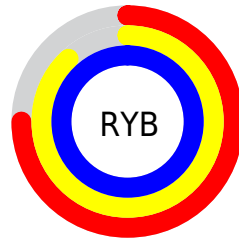
The XYZ color **75.5482, 89.9465, 107.9873** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.6050, 62.7664, 58.3174**, and the grayscale version is **79.8051, 83.9611, 91.4337**.

A 20% lighter version of the original color is **93.2343, 99.0640, 108.8150**, and **40.7037, 49.7837, 60.8900** is the 20% darker color. If you saturate the color by 10%, you get **69.6415, 86.9014, 107.7109**, and if you desaturate by 10%, it is **82.5750, 93.5689, 108.3162**.

# Distribution



- Red (75%)
- Green (100%)
- Blue (100%)



- Red (75%)
- Yellow (88%)
- Blue (100%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)



- Cyan (25%)
- Magenta (0%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.5482, 89.9465, 107.9873 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 75.5482, 89.9465, 107.9873 by changing the saturation by 10% instead.



75.5482, 89.9465,  
107.9873

75.5482, 89.9465,  
107.9873

468.7679,  
527.8568, 606.9723

56.3579, 67.9363,  
82.3336

126.0718,  
147.2641, 174.2383

40.7280, 49.8459,  
61.1032

158.1358,  
183.3402, 215.6727

28.2934, 35.2910,  
43.8773

195.2218,  
224.8738, 263.2045

18.6885, 23.8871,  
30.2376

237.6950,  
272.2492, 317.2521

11.5481, 15.2499,  
19.7654

285.9209,  
325.8508, 378.2342

6.5068, 8.9950,  
12.0423

340.2647,

3.1992, 4.7379,

386.0630, 446.5692

6.6496

401.0920,  
453.2702, 522.6758

■ 1.2599, 2.0943,  
3.1688

■ 0.1529, 0.6614,  
1.1815

■ 75.5482, 89.9465,  
107.9873

■ 75.5482, 89.9465,  
107.9873

■ 69.6415, 86.9014,  
107.7109

■ 82.5750, 93.5689,  
108.3162

■ 64.7950, 84.4030,  
107.4841

■ 90.7731, 97.7952,  
108.6998

■ 60.9465, 82.4190,  
107.3040

95.0500, 100.0000,  
108.9000

■ 58.0267, 80.9138,  
107.1673

■ 55.9572, 79.8469,  
107.0705

■ 54.6468, 79.1714,  
107.0092

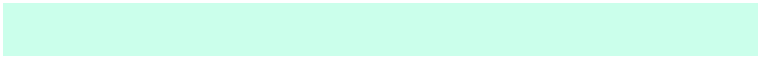
■ 53.9835, 78.8294,  
106.9781

■ 53.8100, 78.7400,  
106.9700

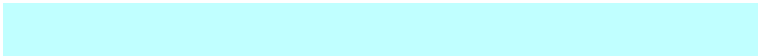
# Harmonies

## Analogous

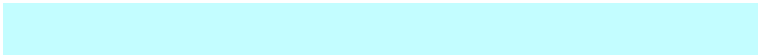
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.2626, 89.9465, 91.6685



75.5482, 89.9465, 107.9873



78.4252, 89.9465, 123.0766

# Triad

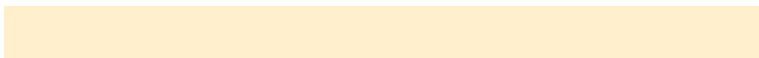
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.5482, 89.9465, 107.9873



93.8699, 89.9465, 120.2689



87.7480, 89.9465, 70.4550

# Complementary

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



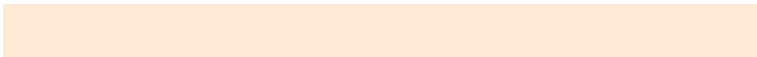
75.5482, 89.9465, 107.9873



69.6050, 62.7664, 58.3174

# 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.



92.9699, 89.9465, 76.4765



75.5482, 89.9465, 107.9873



96.6075, 89.9465, 104.4838

# Square

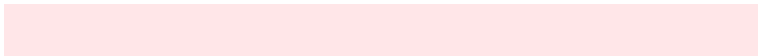
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.5482, 89.9465, 107.9873



88.9324, 89.9465, 130.6891



96.2710, 89.9465, 88.5294

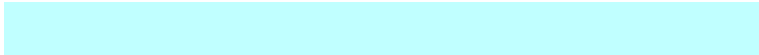


82.1404, 89.9465, 71.1714

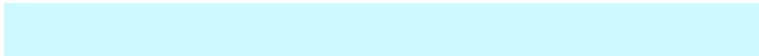


# Rectangle

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



75.5482, 89.9465, 107.9873



81.5000, 89.9465, 129.8578



96.2710, 89.9465, 88.5294



89.6111, 89.9465, 71.7284

# Sweetspot

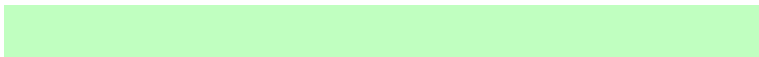
The Sweet Spot groups the original color and five complimentary colors.



75.5490, 89.9468, 107.9874



88.7852, 96.7704, 108.6068



67.0137, 86.5327, 63.0413



18.8940, 20.6563, 23.2412



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

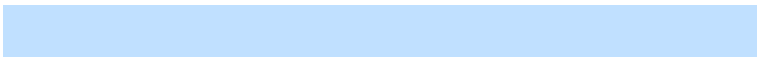
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.5490, 89.9468, 107.9874



72.2850, 88.2642, 107.8346



66.3108, 71.4705, 104.9080



18.5550, 20.4815, 23.2253



28.1169, 41.1433, 55.8941



2.7376, 4.0060, 5.4422



# Inverse Universe

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



78.1403, 66.1805, 103.2634



75.3101, 60.5201, 102.3200



77.2766, 78.1096, 60.8746



18.7928, 18.3004, 22.7918



30.9803, 14.8814, 50.6741

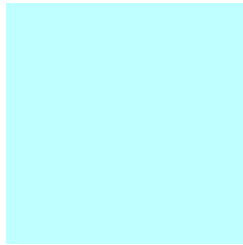


3.0164, 1.4490, 4.9340



# Previews

## White Background



This preview shows how the XYZ color 75.5482, 89.9465, 107.9873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

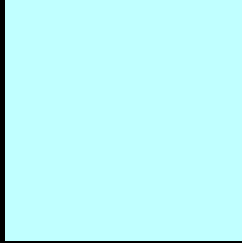
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.5482, 89.9465, 107.9873 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

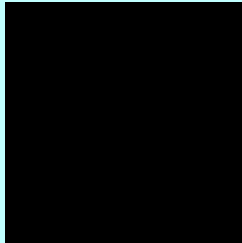
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.5482, 89.9465, 107.9873**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.5482, 89.9465, 107.9873.



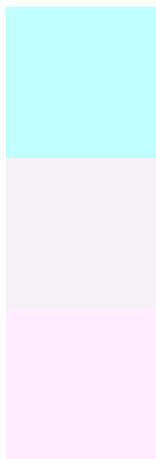
This preview shows how white text looks on a background with the XYZ color 75.5482, 89.9465,



# 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

75.5482, 89.9465, 107.9873

### Protanopia

86.2498, 89.2188, 100.6708

### Deuteranopia

89.5742, 89.0484, 107.0747



## Tritanopia

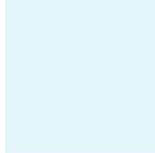
82.6748, 89.9103, 107.6047

# Trichromacy



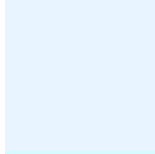
## Original Color

75.5482, 89.9465, 107.9873



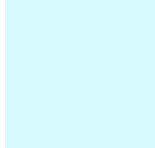
## Protanomaly

81.5751, 88.9824, 103.3183



## Deuteranomaly

83.6794, 89.0772, 107.3910



## Tritanomaly

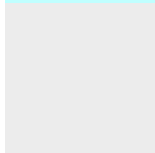
79.9672, 89.8874, 107.7430

# Monochromacy



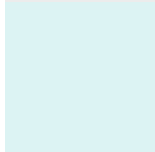
## Original Color

75.5482, 89.9465, 107.9873



## Achromatopsia

79.7278, 83.8799, 91.3452



## Achromatomaly

77.7435, 85.7879, 97.2552

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.5482, 89.9465, 107.9873 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(192, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(192, 255, 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(192, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 255, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 75.5482, 89.9465, 107.9873 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(192, 255, 255) }
```



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

```
.border{ border-color:rgb(192, 255, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(192, 255,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.5482, 89.9465, 107.9873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 255, 255) }
```

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

```
.background{ background-color: rgb(192,  
255, 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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