

# Converting Colors

XYZ(75.7724, 90.0891,  
106.7744)

Have a look what the booklet for  
XYZ(75.7724, 90.0891, 106.7744)  
contains.

<b>XYZ(75.8975, 90.1451, 107.1654)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(75.8975, 90.1451,  
107.1654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2FFFE
RGB	194, 255, 254
RGB Percent	76%, 100%, 100%
CMY	0.2392, 0.0000, 0.0039
CMYK	0.24, 0.00, 0.00, 0.00
HSL	179°, 100%, 88%
HSV	179°, 24%, 100%
XYZ	75.8975, 90.1451, 107.1654
YIQ	236.6470, -36.0350, -13.2430

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 225, 255
Decimal	12779518
CIELab	96.06, -19.13, -5.74
CIELCh	96, 19.973, 196.705
Yxy	90.1451, 0.2778, 0.3300
Android (android.graphics.Color)	4290969598 (0xFFC2FFFE)
YUV	236.6470, 8.5550, -37.4014
Hunter-Lab	94.9448, -23.4630, -0.4601

# Details

The XYZ color **75.8975, 90.1451, 107.1654** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.3829, 63.7850, 60.2326**, and the grayscale version is **80.1809, 84.3566, 91.8643**.

A 20% lighter version of the original color is **93.9549, 99.4354, 108.8487**, and **40.9196, 49.9084, 60.2999** is the 20% darker color. If you saturate the color by 10%, you get **69.8386, 87.0293, 106.5348**, and if you desaturate by 10%, it is **83.0815, 93.8408, 107.8524**.

# Distribution



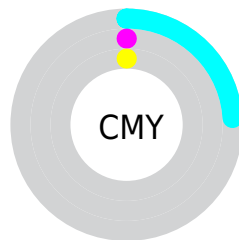
- Red (76%)
- Green (100%)
- Blue (100%)



- Red (76%)
- Yellow (88%)
- Blue (100%)



- Cyan (24%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)




- Cyan (24%)
- Magenta (0%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.8975, 90.1451, 107.1654 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 75.8975, 90.1451, 107.1654 by changing the saturation by 10% instead.





 75.8975, 90.1451,  
107.1654

 75.8975, 90.1451,  
107.1654


469.9465,  
528.5027, 604.3712

 56.6452, 68.1010,  
81.6479


 126.5631,  
147.5399, 173.1072

 40.9595, 49.9799,  
60.5412

158.7072,  
183.6594, 214.3686

 28.4750, 35.3974,  
43.4269

195.8792,  
225.2395, 261.7150

 18.8263, 23.9692,  
29.8863

238.4446,  
272.6646, 315.5649

 11.6481, 15.3108,  
19.5010

286.7687,  
326.3191, 376.3370

 6.5750, 9.0378,  
11.8524

341.2168,

 3.2417, 4.7658,

386.5873, 444.4497

6.5219

402.1543,  
453.8538, 520.3216

■ 1.2828, 2.1105,  
3.0911

■ 0.1703, 0.6705,  
1.1413

■ 75.8975, 90.1451,  
107.1654

■ 75.8975, 90.1451,  
107.1654

■ 69.8386, 87.0293,  
106.5348

■ 83.0815, 93.8408,  
107.8524

■ 64.8444, 84.4624,  
105.9533

■ 91.4408, 98.1425,  
108.5936

■ 60.8536, 82.4127,  
105.4195

95.0500, 100.0000,  
108.9000

■ 57.7973, 80.8448,  
104.9302

■ 55.5980, 79.7187,  
104.4818

■ 54.1657, 78.9879,  
104.0700

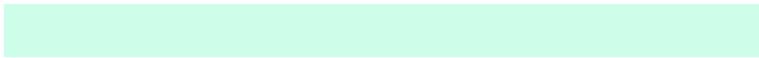
■ 53.3905, 78.5959,  
103.6897

■ 53.1453, 78.4741,  
103.4695

# Harmonies

## Analogous

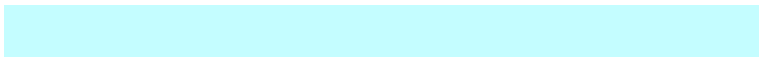
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



75.7466, 90.1451, 91.3174



75.8975, 90.1451, 107.1654



78.5959, 90.1451, 122.0177

# Triad

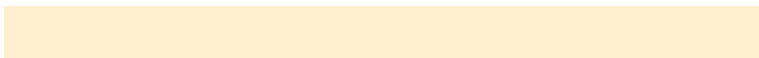
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.8975, 90.1451, 107.1654



93.6517, 90.1451, 120.5428



88.1479, 90.1451, 71.4080

# Complementary

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



75.8975, 90.1451, 107.1654



70.3829, 63.7850, 60.2326

# 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.



93.1779, 90.1451, 77.6219



75.8975, 90.1451, 107.1654



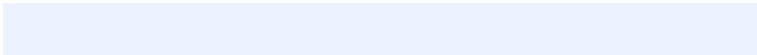
96.4464, 90.1451, 105.3209

# Square

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



75.8975, 90.1451, 107.1654



88.7720, 90.1451, 130.2915



96.2694, 90.1451, 89.6600

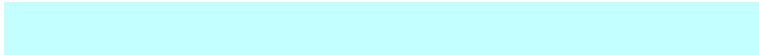


82.6611, 90.1451, 71.7879



# Rectangle

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



75.8975, 90.1451, 107.1654



81.5451, 90.1451, 128.8512



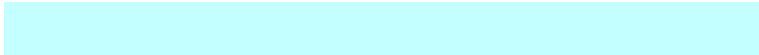
96.2694, 90.1451, 89.6600



89.9528, 90.1451, 72.7639

# Sweetspot

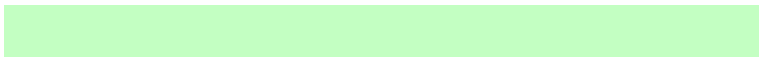
The Sweet Spot groups the original color and five complimentary colors.



75.8985, 90.1456, 107.1669



88.7382, 96.7516, 108.3593



68.0086, 87.0199, 64.2527



18.8831, 20.6520, 23.1836



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

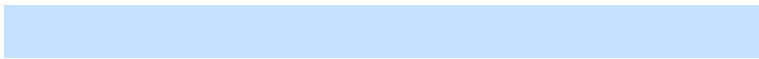
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8985, 90.1456, 107.1669



72.6835, 88.4921, 106.8393



67.3643, 72.8207, 105.1131



18.5413, 20.4760, 23.1534



27.7754, 41.0068, 54.0959



2.7084, 3.9943, 5.2880



# Inverse Universe

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



70.3829, 63.7850, 60.2326



66.2445, 57.7163, 52.0460



77.4953, 78.1900, 62.0483



18.0215, 17.9919, 18.7301



21.5659, 11.1157, 1.0988

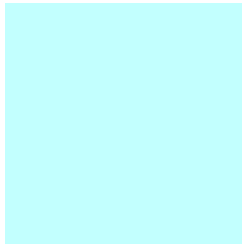


2.1038, 1.0839, 0.1283



# Previews

## White Background



This preview shows how the XYZ color 75.8975, 90.1451, 107.1654 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

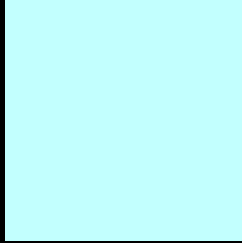
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.8975, 90.1451, 107.1654 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 75.8975, 90.1451, 107.1654

## Background



This preview shows how black text looks on a background with the XYZ color 75.8975, 90.1451, 107.1654.



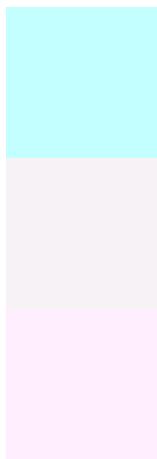
This preview shows how white text looks on a background with the XYZ color 75.8975, 90.1451,



# 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

75.8975, 90.1451, 107.1654

### Protanopia

86.3927, 89.7509, 99.9591

### Deuteranopia

89.7039, 89.5648, 106.3258



## Tritanopia

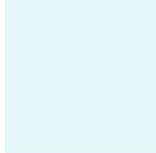
82.9893, 90.0724, 107.6195

# Trichromacy



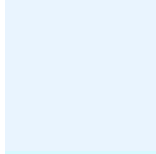
## Original Color

75.8975, 90.1451, 107.1654



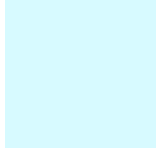
## Protanomaly

82.0382, 89.6920, 102.6109



## Deuteranomaly

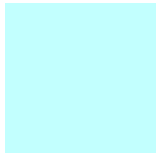
83.8443, 89.1808, 106.5605



## Tritanomaly

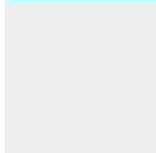
80.2599, 90.0383, 107.7567

# Monochromacy



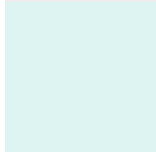
## Original Color

75.8975, 90.1451, 107.1654



## Achromatopsia

80.4953, 84.6873, 92.2245



## Achromatomaly

78.3471, 86.5446, 97.3695

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.8975, 90.1451, 107.1654 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(194, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(194, 255, 254)  
}
```

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(194, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 255, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 75.8975, 90.1451, 107.1654 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(194, 255, 254) }
```



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

```
.border{ border-color:rgb(194, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(194, 255,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.8975, 90.1451, 107.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 255, 254) }
```

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

```
.background{ background-color: rgb(194,  
255, 254) }
```

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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