

# Converting Colors

XYZ(60.7326, 80.7070, 96.4657)

Have a look what the booklet for  
XYZ(60.7326, 80.7070, 96.4657)  
contains.

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# Color

**XYZ(60.6775, 80.6394,  
96.3713)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88FBF2
RGB	136, 251, 242
RGB Percent	53%, 98%, 95%
CMY	0.4666, 0.0157, 0.0510
CMYK	0.46, 0.00, 0.04, 0.02
HSL	175°, 94%, 76%
HSV	175°, 46%, 98%
XYZ	60.6775, 80.6394, 96.3713
YIQ	215.5890, -65.6510, -27.1790

# Conversions

## Conversions Part 2

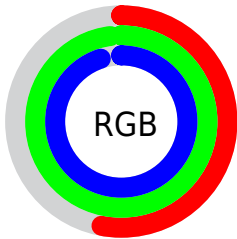
<b>Format</b>	<b>Color</b>
<b>RYB</b>	136, 196, 251
Decimal	8977394
CIELab	91.97, -34.87, -5.87
CIELCh	92, 35.356, 189.555
Yxy	80.6394, 0.2553, 0.3393
Android (android.graphics.Color)	4287167474 (0xFF88FBF2)
YUV	215.5890, 13.0206, -69.7996
Hunter-Lab	89.7994, -36.5365, -0.7695

# Details

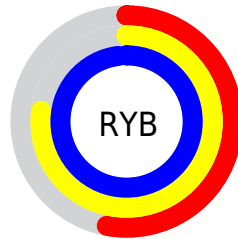
The XYZ color **60.6775, 80.6394, 96.3713** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.7014, 40.1642, 31.7130**, and the grayscale version is **64.9390, 68.3209, 74.4014**.

A 20% lighter version of the original color is **76.3157, 90.3421, 108.0232**, and **31.0564, 43.6246, 53.2379** is the 20% darker color. If you saturate the color by 10%, you get **56.7756, 78.6638, 94.6580**, and if you desaturate by 10%, it is **65.5417, 83.1146, 98.1497**.

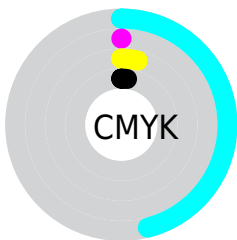
# Distribution



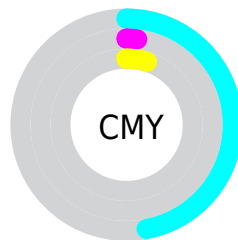
- Red (53%)
- Green (98%)
- Blue (95%)



- Red (53%)
- Yellow (77%)
- Blue (98%)



- Cyan (46%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (47%)
- Magenta (2%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 60.6775, 80.6394, 96.3713 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 60.6775, 80.6394, 96.3713 by changing the saturation by 10% instead.





 60.6775, 80.6394,  
96.3713


 60.6775, 80.6394,  
96.3713


416.8854,  
497.0850, 569.6419

 44.2165, 60.2447,  
72.6737

 104.9126,  
134.2643, 158.1696

 31.0394, 43.6159,  
53.2190


 133.4174,  
168.2633, 197.1073

 20.7808, 30.3686,  
37.5887


166.6675,  
207.5658, 241.9622

 13.0754, 20.1186,  
25.3643

205.0283,  
252.5562, 293.1526

 7.5579, 12.4813,  
16.1272

248.8652,  
303.6190, 351.0973

 3.8628, 7.0723,  
9.4588

298.5434,

 1.6248, 3.5074,

361.1384, 416.2147

4.9408

354.4283,  
425.4990, 488.9234

0.4085, 1.4020,  
2.1544

0.0000, 0.2182,  
0.6479

60.6775, 80.6394,  
96.3713

60.6775, 80.6394,  
96.3713

56.7756, 78.6638,  
94.6580

65.5417, 83.1146,  
98.1497

53.7614, 77.1434,  
93.0009

71.4222, 86.1115,  
99.9906

51.5606, 76.0421,  
91.3984

78.3774, 89.6620,  
101.8984

50.0840, 75.3137,  
89.8462

86.4592, 93.7930,  
103.8756

■ 49.2207, 74.9011,  
88.3390

■ 93.2817, 97.2743,  
105.8107

■ 48.9725, 74.7866,  
87.7185

■ 93.5945, 97.3994,  
107.4579

■ 93.7885, 97.4770,  
108.4795

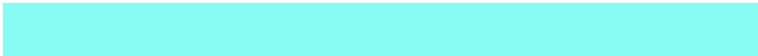
# Harmonies

## Analogous

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



61.4148, 80.6394, 71.4608



60.6775, 80.6394, 96.3713



63.9504, 80.6394, 123.6700

# Triad

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



60.6775, 80.6394, 96.3713



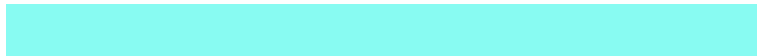
88.3164, 80.6394, 132.2995



82.9107, 80.6394, 48.7732

# Complementary

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



60.6775, 80.6394, 96.3713



53.7014, 40.1642, 31.7130

# 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.



90.9181, 80.6394, 59.6417



60.6775, 80.6394, 96.3713



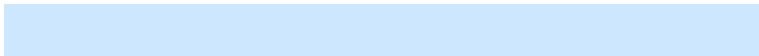
94.2062, 80.6394, 106.4632

# Square

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



60.6775, 80.6394, 96.3713



79.5816, 80.6394, 146.9538



95.1942, 80.6394, 79.7575

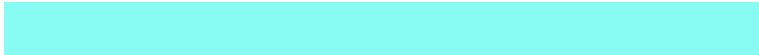


73.7822, 80.6394, 47.1313



# Rectangle

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



60.6775, 80.6394, 96.3713



68.1302, 80.6394, 138.3802



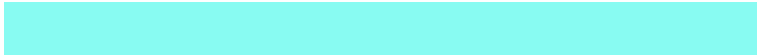
95.1942, 80.6394, 79.7575



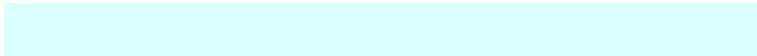
85.8420, 80.6394, 51.3491

# Sweetspot

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



60.6799, 80.6426, 96.3732



82.6670, 93.6679, 105.9888



50.7237, 76.8480, 35.4540



17.3304, 19.8630, 22.5927



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

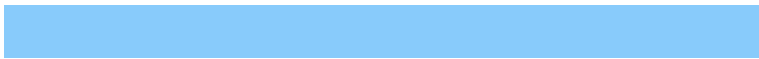
The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.6799, 80.6426, 96.3732



59.1297, 81.6808, 98.2540



48.9440, 54.9532, 99.2977



17.7037, 19.5838, 21.9064



25.7661, 39.3194, 46.2390



2.4033, 3.6484, 4.3716



# Inverse Universe

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



53.7014, 40.1642, 31.7130



51.0907, 34.9639, 23.7031



61.3535, 56.5359, 30.9731



17.2997, 17.2473, 18.1682



20.9965, 10.8143, 1.4242

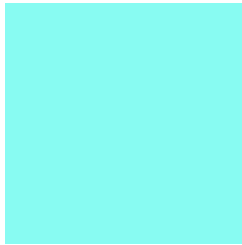


1.9631, 1.0090, 0.2289



# Previews

## White Background



This preview shows how the XYZ color 60.6775, 80.6394, 96.3713 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

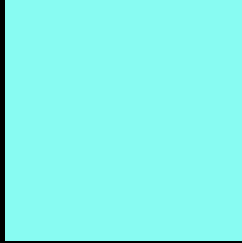
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 60.6775, 80.6394, 96.3713 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 60.6775, 80.6394, 96.3713**

## **Background**



This preview shows how black text looks on a background with the XYZ color 60.6775, 80.6394, 96.3713.



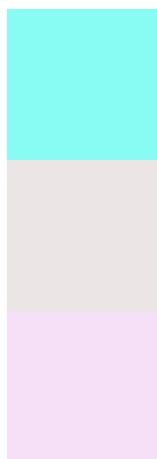
This preview shows how white text looks on a background with the XYZ color 60.6775, 80.6394,



# 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

60.6775, 80.6394, 96.3713

### Protanopia

76.4231, 79.3579, 85.4184

### Deuteranopia

81.2551, 79.5011, 99.8696



## Tritanopia

68.6245, 80.4276, 106.5149

# Trichromacy



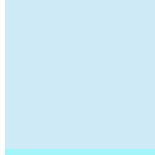
## Original Color

60.6775, 80.6394, 96.3713



## Protanomaly

68.6887, 78.6510, 89.4028



## Deuteranomaly

71.2342, 78.4786, 98.5822



## Tritanomaly

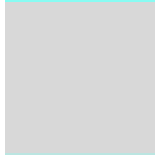
65.2176, 80.0995, 102.4659

# Monochromacy



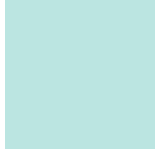
## Original Color

60.6775, 80.6394, 96.3713



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

62.1034, 72.0397, 81.8660

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 60.6775, 80.6394, 96.3713 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(136, 251, 242)` looks like.

```
.text, #text, p{  
    color:rgb(136, 251, 242)  
}
```

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(136, 251, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 251, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 60.6775, 80.6394, 96.3713 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(136, 251, 242) }
```



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

```
.border{ border-color:rgb(136, 251, 242) }
```

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

Here you see how a box with a 4 pixel rgb(136, 251, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 251, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 251, 242);  
box-shadow:4px 4px 4px 4px rgb(136, 251,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 60.6775, 80.6394, 96.3713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 251, 242) }
```

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

```
.background{ background-color: rgb(136,  
251, 242) }
```

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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