

Converting Colors

XYZ(56.8604, 75.8344, 79.8159)

Have a look what the booklet for
XYZ(56.8604, 75.8344, 79.8159)
contains.

XYZ(56.9034, 75.8511, 80.0482)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(56.9034, 75.8511,
80.0482)**

Conversions

Conversions Part 1

Format	Color
Hex	90F4DD
RGB	144, 244, 221
RGB Percent	56%, 96%, 87%
CMY	0.4353, 0.0431, 0.1333
CMYK	0.41, 0.00, 0.09, 0.04
HSL	166°, 82%, 76%
HSV	166°, 41%, 96%
XYZ	56.9034, 75.8511, 80.0482
YIQ	211.4780, -52.2170, -28.3530

Conversions

Conversions Part 2

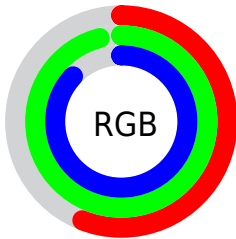
Format	Color
RYB	144, 200, 244
Decimal	9499869
CIELab	89.79, -34.58, 1.89
CIELCh	90, 34.635, 176.872
Yxy	75.8511, 0.2674, 0.3564
Android (android.graphics.Color)	4287689949 (0xFF90F4DD)
YUV	211.4780, 4.6943, -59.1782
Hunter-Lab	87.0925, -35.7859, 6.4704

Details

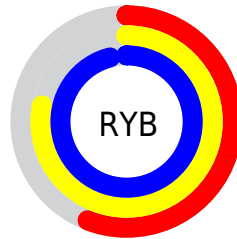
The XYZ color **56.9034, 75.8511, 80.0482** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.2591, 41.9716, 41.8036**, and the grayscale version is **62.2294, 65.4702, 71.2970**.

A 20% lighter version of the original color is **78.1671, 91.2966, 108.1099**, and **28.5837, 40.3201, 42.3524** is the 20% darker color. If you saturate the color by 10%, you get **52.3586, 73.5951, 75.9981**, and if you desaturate by 10%, it is **62.3985, 78.5980, 84.2766**.

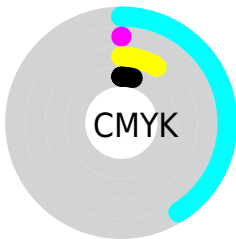
Distribution



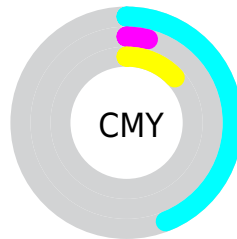
- Red (56%)
- Green (96%)
- Blue (87%)



- Red (56%)
- Yellow (78%)
- Blue (96%)



- Cyan (41%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)





- Cyan (44%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 56.9034, 75.8511, 80.0482 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 56.9034, 75.8511, 80.0482 by changing the saturation by 10% instead.


 56.9034, 75.8511,
80.0482

 56.9034, 75.8511,
80.0482


403.1073,
480.8378, 514.8063

 41.1675, 56.3104,
59.2316


 99.4564, 127.5164,
135.2455

 28.6383, 40.4519,
42.3784


 127.0042,
160.4098, 170.4633

 18.9502, 27.8910,
29.0699


159.2201,
198.5229, 211.3186

 11.7381, 18.2435,
18.8877

196.4693,
242.2401, 258.2299

 6.6365, 11.1250,
11.4131

239.1173,
291.9458, 311.6158

 3.2802, 6.1510,
6.2278

287.5294,

 1.3036, 2.9371,

348.0244, 371.8948

2.9131

342.0709,
410.8603, 439.4855

■ 0.1859, 1.0990,
1.0504

■ 0.0000, 0.0000,
0.0000

■ 56.9034, 75.8511,
80.0482

■ 56.9034, 75.8511,
80.0482

■ 52.3586, 73.5951,
75.9981

■ 62.3985, 78.5980,
84.2766

■ 48.6974, 71.7898,
72.1170

■ 68.8922, 81.8548,
88.6818


■ 45.8548, 70.4036,
68.4023

■ 76.4372, 85.6507,
93.2691

■ 43.7536, 69.3969,
64.8489


■ 85.0806, 90.0099,
98.0421

 42.3017, 68.7221,
61.4513

 90.7010, 92.8076,
102.8090

 41.4159, 68.3296,
58.5139

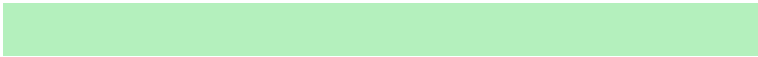
 91.5902, 93.1633,
107.4910

 91.6420, 93.1840,
107.7640

Harmonies

Analogous

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



59.1932, 75.8511, 59.4526



56.9034, 75.8511, 80.0482



58.4107, 75.8511, 105.7322

Triad

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



56.9034, 75.8511, 80.0482



79.7774, 75.8511, 132.0670



81.4501, 75.8511, 49.1218

Complementary

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



56.9034, 75.8511, 80.0482



54.2591, 41.9716, 41.8036

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.



87.7635, 75.8511, 63.0962



56.9034, 75.8511, 80.0482



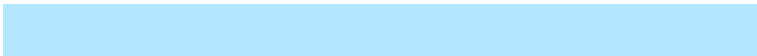
86.7454, 75.8511, 111.0620

Square

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



56.9034, 75.8511, 80.0482



71.2015, 75.8511, 139.0374



89.7731, 75.8511, 85.1829



72.9943, 75.8511, 43.9552

Rectangle

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



56.9034, 75.8511, 80.0482



61.4366, 75.8511, 121.9046



89.7731, 75.8511, 85.1829



83.9181, 75.8511, 52.7906

Sweetspot

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



56.9056, 75.8541, 80.0499



83.5619, 94.2062, 102.5549



53.3939, 74.9699, 38.0434



17.6409, 20.0408, 21.8070



0.0000, 0.0000, 0.0000



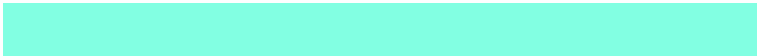
20.3446, 21.4041, 23.3091

Same Dimension

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



56.9056, 75.8541, 80.0499



58.7366, 81.7750, 84.8261



52.7319, 62.2613, 94.8298



16.8241, 18.6888, 20.3580



22.5736, 37.1743, 32.1039



2.0228, 3.2828, 3.0257

Inverse Universe

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



54.2591, 41.9716, 41.8036



55.4692, 39.7345, 37.4520



56.8447, 50.2490, 33.0899



16.6553, 16.5450, 17.9312



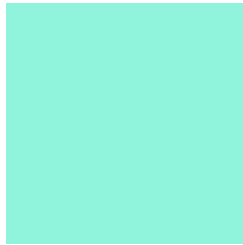
20.7189, 10.6310, 3.2281



1.8588, 0.9495, 0.4829

Previews

White Background



This preview shows how the XYZ color 56.9034, 75.8511, 80.0482 looks on a white background.

Color Contrast Check

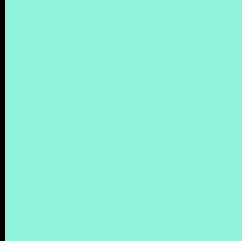
Large Text (above 18pt) WCAG AA × Fail

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 56.9034, 75.8511, 80.0482 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

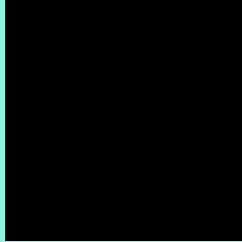
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 56.9034, 75.8511, 80.0482

Background



This preview shows how black text looks on a background with the XYZ color 56.9034, 75.8511, 80.0482.

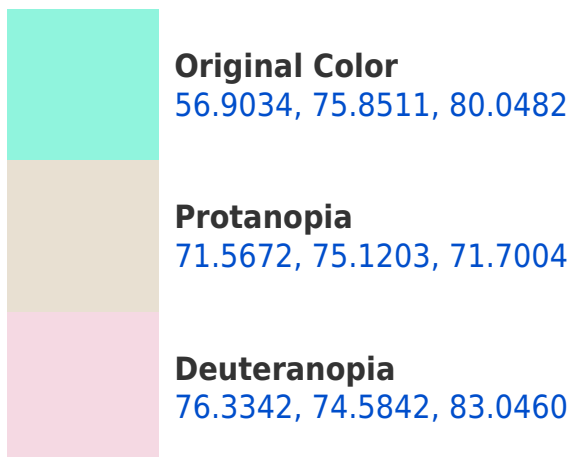


This preview shows how white text looks on a background with the XYZ color 56.9034, 75.8511,

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





Tritanopia

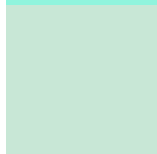
63.2345, 75.4698, 105.8421

Trichromacy



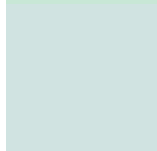
Original Color

56.9034, 75.8511, 80.0482



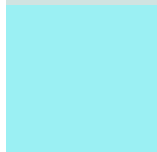
Protanomaly

64.5329, 74.2862, 74.5558



Deuteranomaly

67.0721, 73.7843, 81.9409



Tritanomaly

60.8553, 75.7598, 96.2097

Monochromacy



Original Color

56.9034, 75.8511, 80.0482



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

59.1469, 68.2464, 74.3455

CSS Examples

Text

The CSS property to change the color of the text to XYZ 56.9034, 75.8511, 80.0482 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(144, 244, 221)` looks like.

```
.text, #text, p{  
    color:rgb(144, 244, 221)  
}
```

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(144, 244, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 244, 221) }
```

Border

The CSS property to change the border of an element to XYZ 56.9034, 75.8511, 80.0482 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(144, 244, 221) }
```


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

```
.border{ border-color:rgb(144, 244, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 244, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(144, 244,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 56.9034, 75.8511, 80.0482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 244, 221) }
```

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

```
.background{ background-color: rgb(144,  
244, 221) }
```

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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