

# Converting Colors

XYZ(56.3074, 80.4674, 87.2120)

Have a look what the booklet for  
XYZ(56.3074, 80.4674, 87.2120)  
contains.

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# Color

**XYZ(56.3496, 80.4844,  
87.4280)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DFFE6
RGB	109, 255, 230
RGB Percent	43%, 100%, 90%
CMY	0.5725, 0.0000, 0.0980
CMYK	0.57, 0.00, 0.10, 0.00
HSL	170°, 100%, 71%
HSV	170°, 57%, 100%
XYZ	56.3496, 80.4844, 87.4280
YIQ	208.4960, -78.9910, -38.7270

# Conversions

## Conversions Part 2

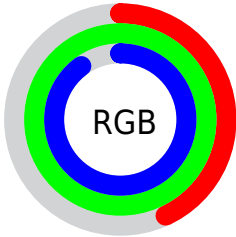
Format	Color
<a href="#">RYB</a>	<a href="#">109, 189, 255</a>
Decimal	<a href="#">7208934</a>
CIELab	<a href="#">91.90, -45.06, 0.15</a>
CIElCh	<a href="#">92, 45.057, 179.815</a>
Yxy	<a href="#">80.4844, 0.2513, 0.3589</a>
Android (android.graphics.Color)	<a href="#">4285399014</a> ( <a href="#">0xFF6DFFE6</a> )
YUV	<a href="#">208.4960, 10.6015, -87.2580</a>
Hunter-Lab	<a href="#">89.7131, -44.8805, 5.0194</a>

# Details

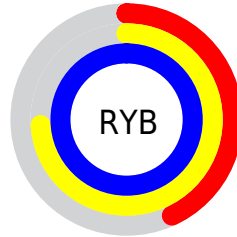
The XYZ color **56.3496, 80.4844, 87.4280** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **51.0126, 33.9198, 26.4141**, and the grayscale version is **60.2467, 63.3843, 69.0255**.

A 20% lighter version of the original color is **70.8233, 87.5107, 107.7662**, and **28.4386, 43.7445, 47.5021** is the 20% darker color. If you saturate the color by 10%, you get **53.0496, 78.8531, 84.1138**, and if you desaturate by 10%, it is **60.5766, 82.5917, 90.8686**.

# Distribution



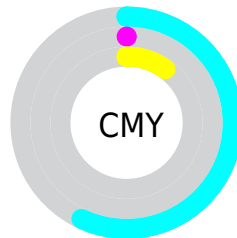
- Red (43%)
- Green (100%)
- Blue (90%)



- Red (43%)
- Yellow (74%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 56.3496, 80.4844, 87.4280 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 56.3496, 80.4844, 87.4280 by changing the saturation by 10% instead.





 56.3496, 80.4844,  
87.4280


 56.3496, 80.4844,  
87.4280


401.0614,  
496.5638, 539.9809


 40.7214, 60.1170,  
65.2878


 98.6524, 134.0466,  
145.6647

 28.2882, 43.5130,  
47.2417


 126.0577,  
168.0102, 182.5982

 18.6846, 30.2878,  
32.8710


 158.1194,  
207.2746, 225.3000

 11.5452, 20.0572,  
21.7574

195.2028,  
252.2243, 274.1885

 6.5048, 12.4366,  
13.4821

237.6734,  
303.2437, 329.6824

 3.1979, 7.0418,  
7.6267

285.8965,

 1.2593, 3.4882,

360.7172, 392.2000

3.7727

340.2373,  
425.0291, 462.1600

■ 0.1524, 1.3916,  
1.5015

■ 0.0000, 0.2105,  
0.2190

■ 56.3496, 80.4844,  
87.4280

■ 56.3496, 80.4844,  
87.4280

■ 53.0496, 78.8531,  
84.1138

■ 60.5766, 82.5917,  
90.8686

■ 50.5923, 77.6545,  
80.9172

■ 65.7991, 85.2105,  
94.4351

■ 48.8833, 76.8399,  
77.8347

■ 72.0827, 88.3744,  
98.1326

■ 47.7992, 76.3458,  
74.8599

■ 79.4863, 92.1140,  
101.9644

■ 47.5602, 76.2401,  
74.0590

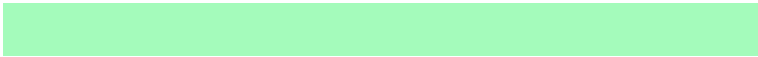
■ 88.0645, 96.4572,  
105.9336

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



58.8443, 80.4844, 59.3594



56.3496, 80.4844, 87.4280



58.7840, 80.4844, 123.2570

# Triad

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



56.3496, 80.4844, 87.4280



88.0931, 80.4844, 155.3013



88.2300, 80.4844, 43.3131

# Complementary

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



56.3496, 80.4844, 87.4280



51.0126, 33.9198, 26.4141

# 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.



97.4549, 80.4844, 59.6350



56.3496, 80.4844, 87.4280



97.3704, 80.4844, 123.7054

# Square

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



56.3496, 80.4844, 87.4280



76.4261, 80.4844, 167.9726



100.9541, 80.4844, 87.8400



76.5700, 80.4844, 38.1372



# Rectangle

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



56.3496, 80.4844, 87.4280



63.0301, 80.4844, 145.8331



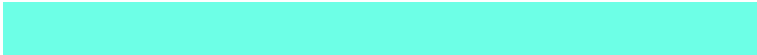
100.9541, 80.4844, 87.8400



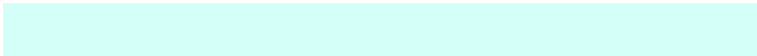
91.7595, 80.4844, 47.4354

# Sweetspot

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



56.3506, 80.4848, 87.4294



79.6883, 92.2162, 102.0630



48.6368, 77.8394, 26.9307



16.7171, 19.5664, 21.6784



0.0000, 0.0000, 0.0000

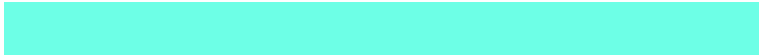


20.3446, 21.4041, 23.3091



# Same Dimension

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



56.3506, 80.4848, 87.4294



52.5618, 78.6137, 83.5468



47.1011, 55.9590, 102.9264



18.4135, 20.4249, 22.4802



24.9003, 39.8567, 38.9559



2.4581, 3.8942, 3.9703



# Inverse Universe

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



51.0126, 33.9198, 26.4141



46.8095, 27.9671, 17.4492



55.7615, 45.8860, 20.3875



18.1363, 18.0378, 19.3348



21.8198, 11.2172, 2.4354

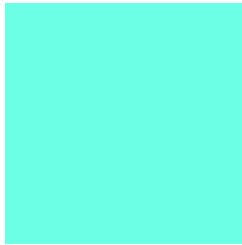


2.1580, 1.1056, 0.4137



# Previews

## White Background



This preview shows how the XYZ color 56.3496, 80.4844, 87.4280 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

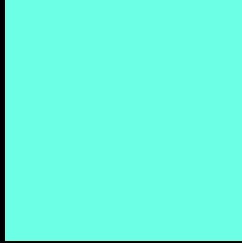
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 56.3496, 80.4844, 87.4280 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 56.3496, 80.4844, 87.4280**

## **Background**



This preview shows how black text looks on a background with the XYZ color 56.3496, 80.4844, 87.4280.



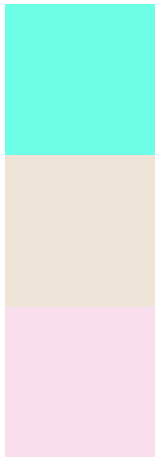
This preview shows how white text looks on a background with the XYZ color 56.3496, 80.4844,



# 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

56.3496, 80.4844, 87.4280

### Protanopia

75.6739, 79.1736, 76.2593

### Deuteranopia

80.7407, 79.0295, 91.1195



## Tritanopia

67.4813, 79.8382, 106.4614

# Trichromacy



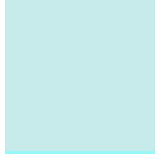
## Original Color

56.3496, 80.4844, 87.4280



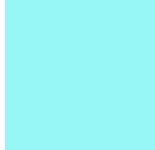
## Protanomaly

65.1115, 77.4459, 79.9234



## Deuteranomaly

67.8483, 77.3629, 89.1985



## Tritanomaly

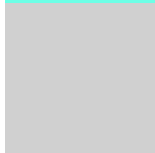
62.6578, 79.7547, 99.2806

# Monochromacy



## Original Color

56.3496, 80.4844, 87.4280



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

56.3331, 67.5790, 75.0407

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 56.3496, 80.4844, 87.4280 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(109, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(109, 255, 230)  
}
```

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(109, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 255, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 56.3496, 80.4844, 87.4280 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(109, 255, 230) }
```



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

```
.border{ border-color:rgb(109, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(109, 255,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 56.3496, 80.4844, 87.4280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 255, 230) }
```

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

```
.background{ background-color: rgb(109,  
255, 230) }
```

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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