

# Converting Colors

XYZ(44.9504, 60.6125, 87.9275)

Have a look what the booklet for  
XYZ(44.9504, 60.6125, 87.9275)  
contains.

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# Color

**XYZ(44.9504, 60.6125,  
87.9275)**

# Conversions

## Conversions Part 1

Format	Color
Hex	53DFEB
RGB	83, 223, 235
RGB Percent	33%, 87%, 92%
CMY	0.6745, 0.1255, 0.0784
CMYK	0.65, 0.05, 0.00, 0.08
HSL	185°, 79%, 62%
HSV	185°, 65%, 92%
XYZ	44.9504, 60.6125, 87.9275
YIQ	182.5080, -87.2920, -25.9480

# Conversions

## Conversions Part 2

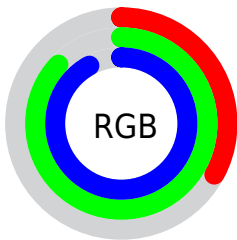
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 156, 235
Decimal	5496811
CIE <sub>Lab</sub>	82.17, -33.59, -16.99
CIE <sub>LCh</sub>	82, 37.642, 206.825
Yxy	60.6125, 0.2323, 0.3133
Android (android.graphics.Color)	4283686891 (0xFF53DFEB)
YUV	182.5080, 25.8786, -87.2685
Hunter-Lab	77.8540, -33.1844, -12.4637

# Details

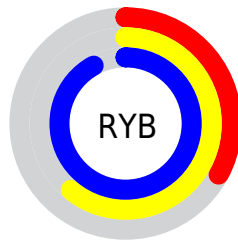
The XYZ color **44.9504, 60.6125, 87.9275** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **39.9160, 26.4729, 11.1915**, and the grayscale version is **44.6399, 46.9647, 51.1446**.

A 20% lighter version of the original color is **66.2044, 85.1296, 107.5500**, and **21.9554, 30.8921, 47.4534** is the 20% darker color. If you saturate the color by 10%, you get **42.7252, 58.7349, 87.6835**, and if you desaturate by 10%, it is **47.8872, 62.8676, 88.2091**.

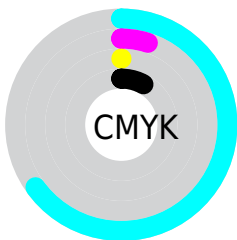
# Distribution



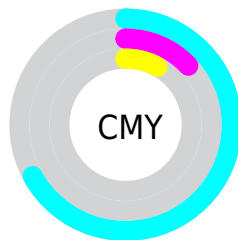
- Red (33%)
- Green (87%)
- Blue (92%)



- Red (33%)
- Yellow (61%)
- Blue (92%)



- Cyan (65%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)



- Cyan (67%)
- Magenta (13%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9504, 60.6125, 87.9275 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 44.9504, 60.6125, 87.9275 by changing the saturation by 10% instead.



44.9504, 60.6125,  
87.9275

44.9504, 60.6125,  
87.9275

357.3597,  
426.8518, 541.6609

31.6195, 43.9125,  
65.6990

81.8835, 105.7177,  
146.3665

21.2251, 30.6017,  
47.5732

106.2164,  
134.8916, 183.4141

13.4021, 20.2958,  
33.1314

134.9473,  
168.9924, 226.2384

7.7849, 12.6102,  
21.9552

168.4416,  
208.4043, 275.2581

4.0083, 7.1607,  
13.6260

207.0646,  
253.5118, 330.8917

1.7068, 3.5628,  
7.7252

251.1818,

0.4605, 1.4321,

304.6993, 393.5576

3.8344

301.1583,  
362.3512, 463.6745

■ 0.0000, 0.2402,  
1.5349

■ 0.0000, 0.0000,  
0.2438

■ 44.9504, 60.6125,  
87.9275

■ 44.9504, 60.6125,  
87.9275

■ 42.7252, 58.7349,  
87.6835

■ 47.8872, 62.8676,  
88.2091

■ 41.1315, 57.1896,  
87.4692


■ 51.5938, 65.5264,  
88.5269


■ 40.0803, 55.9319,  
87.2819


■ 56.1290, 68.6204,  
88.8851


■ 39.6671, 55.3411,  
87.1896


■ 61.5442, 72.1763,  
89.2861

 67.8867, 76.2183,  
89.7320

 75.2002, 80.7691,  
90.2249

 83.5259, 85.8499,  
90.7668

 86.7647, 88.3165,  
91.0722

 87.3072, 89.4014,  
91.2530

# Harmonies

## Analogous

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



43.5823, 60.6125, 63.5875



44.9504, 60.6125, 87.9275



49.6001, 60.6125, 110.1377

# Triad

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



44.9504, 60.6125, 87.9275



71.4610, 60.6125, 93.1425



58.4662, 60.6125, 31.0720

# Complementary

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



44.9504, 60.6125, 87.9275



39.9160, 26.4729, 11.1915

# 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.



66.4397, 60.6125, 35.5765



44.9504, 60.6125, 87.9275



74.3654, 60.6125, 68.4660

# Square

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



44.9504, 60.6125, 87.9275



64.8306, 60.6125, 113.6051



72.4487, 60.6125, 48.0542



50.9471, 60.6125, 33.9852

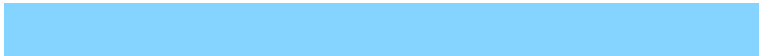


# Rectangle

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



44.9504, 60.6125, 87.9275



54.1765, 60.6125, 118.8238



72.4487, 60.6125, 48.0542



61.1863, 60.6125, 31.7373

# Sweetspot

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



44.9523, 60.6148, 87.9290



78.2086, 89.5247, 107.7657



35.2590, 62.0498, 20.5075



16.2764, 18.8659, 23.0336



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

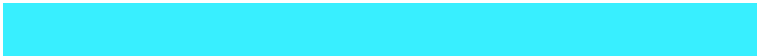


# Same Dimension

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



44.9523, 60.6148, 87.9290



50.6406, 69.9718, 105.4446



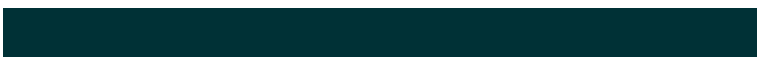
29.2910, 29.2923, 82.7085



15.4100, 16.9065, 19.3733



22.1200, 30.8871, 48.5389



1.7672, 2.4859, 3.8216



# Inverse Universe

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



50.6751, 29.1783, 72.7754



58.2832, 30.3477, 84.6789



50.0368, 46.7145, 14.5651



15.6605, 15.2921, 18.7636



26.0205, 12.6109, 37.5047

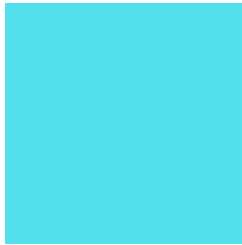


2.0585, 0.9964, 3.0254



# Previews

## White Background



This preview shows how the XYZ color 44.9504, 60.6125, 87.9275 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

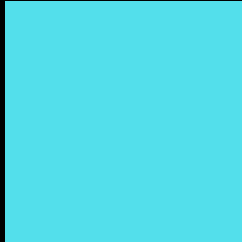
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 44.9504, 60.6125, 87.9275 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 44.9504, 60.6125, 87.9275**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.9504, 60.6125, 87.9275.



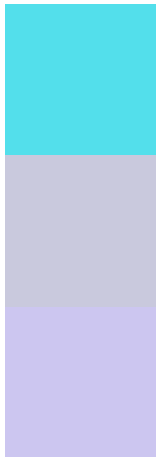
This preview shows how white text looks on a background with the XYZ color 44.9504, 60.6125,



# 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

44.9504, 60.6125, 87.9275

### Protanopia

58.0252, 59.4113, 76.8159

### Deuteranopia

60.8241, 59.5168, 90.7202



## Tritanopia

45.6872, 60.5123, 91.7101

# Trichromacy



## Original Color

44.9504, 60.6125, 87.9275



## Protanomaly

50.6285, 58.3610, 80.5479



## Deuteranomaly

52.2426, 58.2723, 89.3831



## Tritanomaly

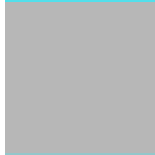
45.3002, 60.3469, 90.1495

# Monochromacy



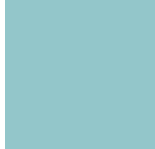
## Original Color

44.9504, 60.6125, 87.9275



## Achromatopsia

45.0092, 47.3531, 51.5676



## Achromatomaly

42.8874, 50.8555, 63.4328

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.9504, 60.6125, 87.9275 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(83, 223, 235)` looks like.

```
.text, #text, p{  
    color:rgb(83, 223, 235)  
}
```

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(83, 223, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 223, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 44.9504, 60.6125, 87.9275 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(83, 223, 235) }
```



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

```
.border{ border-color:rgb(83, 223, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 223, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 223, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 223, 235);  
box-shadow:4px 4px 4px 4px rgb(83, 223,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.9504, 60.6125, 87.9275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 223, 235) }
```

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

```
.background{ background-color: rgb(83, 223,  
235) }
```

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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