

Converting Colors

XYZ(35.6758, 47.1477, 65.6135)

Have a look what the booklet for
XYZ(35.6758, 47.1477, 65.6135)
contains.

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Color

**XYZ(35.6490, 47.0685,
65.5988)**

Conversions

Conversions Part 1

Format	Color
Hex	5BC6CE
RGB	91, 198, 206
RGB Percent	36%, 78%, 81%
CMY	0.6431, 0.2235, 0.1922
CMYK	0.56, 0.04, 0.00, 0.19
HSL	184°, 54%, 58%
HSV	184°, 56%, 81%
XYZ	35.6490, 47.0685, 65.5988
YIQ	166.9190, -66.3400, -20.1960

Conversions

Conversions Part 2

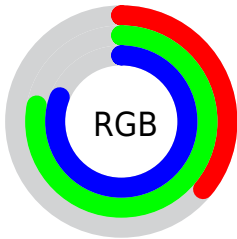
Format	Color
RYB	91, 146, 206
Decimal	6014670
CIELab	74.23, -28.35, -13.34
CIElCh	74, 31.336, 205.201
Yxy	47.0685, 0.2404, 0.3174
Android (android.graphics.Color)	4284204750 (0xFF5BC6CE)
YUV	166.9190, 19.2669, -66.5810
Hunter-Lab	68.6065, -27.3100, -8.6662

Details

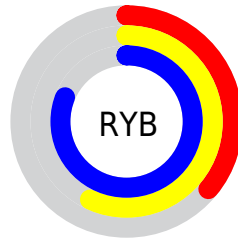
The XYZ color **35.6490, 47.0685, 65.5988** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.8047, 22.8018, 12.6236**, and the grayscale version is **36.6248, 38.5321, 41.9615**.

A 20% lighter version of the original color is **66.5725, 85.3193, 107.5673**, and **15.7659, 22.2780, 33.1749** is the 20% darker color. If you saturate the color by 10%, you get **33.5647, 45.5111, 65.4089**, and if you desaturate by 10%, it is **38.2966, 48.9229, 65.8180**.

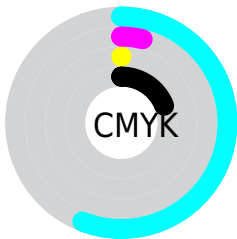
Distribution



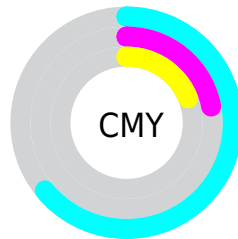
- Red (36%)
- Green (78%)
- Blue (81%)



- Red (36%)
- Yellow (57%)
- Blue (81%)



- Cyan (56%)
- Magenta (4%)
- Yellow (0%)
- Black (19%)



- Cyan (64%)
- Magenta (22%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.6490, 47.0685, 65.5988 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 35.6490, 47.0685, 65.5988 by changing the saturation by 10% instead.

35.6490, 47.0685,
65.5988

35.6490, 47.0685,
65.5988

318.8818,
375.0879, 463.3057

24.3321, 33.0898,
47.4924

67.8174, 85.8159,
114.5318

15.7062, 22.1953,
33.0679

89.3996, 111.3533,
146.1955

9.4060, 14.0004,
21.9069

115.1342,
141.5125, 183.2153

5.0662, 8.1210,
13.5909

145.3867,
176.6778, 226.0098

2.3213, 4.1725,
7.7012

180.5223,
217.2336, 274.9976

0.8055, 1.7705,
3.8193

220.9065,

0.0000, 0.4687,

263.5643, 330.5971

1.5268

266.9045,
316.0542, 393.2270

■ 0.0000, 0.0000,
0.2377

■ 0.0000, 0.0000,
0.0000

■ 35.6490, 47.0685,
65.5988

■ 35.6490, 47.0685,
65.5988

■ 33.5647, 45.5111,
65.4089

■ 38.2966, 48.9229,
65.8180

■ 31.9925, 44.2213,
65.2428

■ 41.5447, 51.0905,
66.0652

■ 30.8794, 43.1728,
65.0991

■ 45.4323, 53.5924,
66.3432

■ 30.1579, 42.3306,
64.9746

■ 49.9940, 56.4464,
66.6537

■ 29.9188, 42.0123,
64.9257

■ 55.2617, 59.6690,
66.9981

■ 61.2655, 63.2758,
67.3778

■ 68.0337, 67.2813,
67.7942

■ 75.2956, 71.5460,
68.2347

■ 75.6498, 72.2543,
68.3527

Harmonies

Analogous

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



34.8038, 47.0685, 48.7019



35.6490, 47.0685, 65.5988



38.8454, 47.0685, 81.1175

Triad

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



35.6490, 47.0685, 65.5988



54.2170, 47.0685, 71.0330



45.6480, 47.0685, 26.1693

Complementary

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



35.6490, 47.0685, 65.5988



31.8047, 22.8018, 12.6236

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.



51.1965, 47.0685, 29.7939



35.6490, 47.0685, 65.5988



56.4009, 47.0685, 53.8846

Square

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



35.6490, 47.0685, 65.5988



49.5011, 47.0685, 84.6878



55.2519, 47.0685, 39.1621



40.2892, 47.0685, 28.0252

Rectangle

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



35.6490, 47.0685, 65.5988



42.0315, 47.0685, 87.4000



55.2519, 47.0685, 39.1621



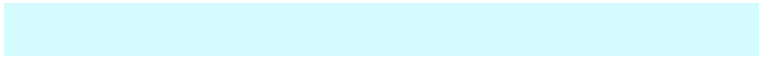
47.5566, 47.0685, 26.7607

Sweetspot

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



35.6504, 47.0703, 65.5999



79.9062, 90.7764, 107.9178



28.6230, 47.2623, 19.3362



16.7688, 19.2220, 23.0764



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.



35.6504, 47.0703, 65.5999



53.8052, 73.2829, 105.9169



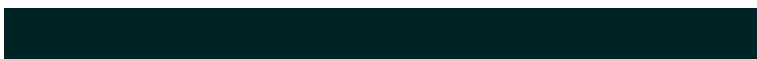
24.9565, 25.6824, 62.0353



11.4739, 12.5882, 14.3954



18.4522, 25.9284, 39.9884



0.9724, 1.3786, 2.0698

Inverse Universe

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



39.3889, 24.6824, 56.1161



60.6173, 34.1021, 88.2741



39.2595, 37.7114, 15.1085



11.6526, 11.3898, 13.9710



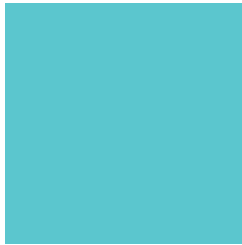
21.5247, 10.4205, 31.5456



1.1208, 0.5417, 1.6819

Previews

White Background



This preview shows how the XYZ color 35.6490, 47.0685, 65.5988 looks on a white background.

Color Contrast Check

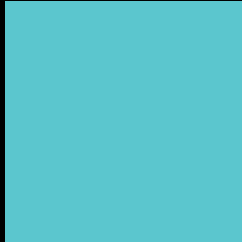
Large Text (above 18pt) WCAG AA × Fail

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 35.6490, 47.0685, 65.5988 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

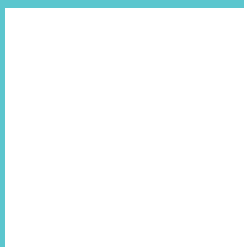
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.6490, 47.0685, 65.5988

Background



This preview shows how black text looks on a background with the XYZ color 35.6490, 47.0685, 65.5988.

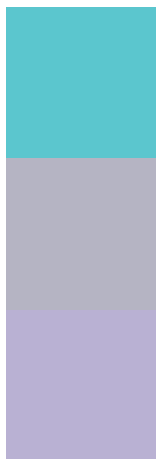


This preview shows how white text looks on a background with the XYZ color 35.6490, 47.0685,

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

35.6490, 47.0685, 65.5988

Protanopia

45.2276, 46.4064, 58.2033

Deuteranopia

47.4876, 46.4617, 68.0932



Tritanopia

36.5926, 47.1163, 70.1165

Trichromacy



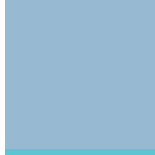
Original Color

35.6490, 47.0685, 65.5988



Protanomaly

40.2919, 45.9601, 60.7804



Deuteranomaly

41.6201, 45.8807, 66.9838



Tritanomaly

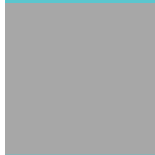
36.1133, 46.9128, 68.1245

Monochromacy



Original Color

35.6490, 47.0685, 65.5988



Achromatopsia

36.7301, 38.6429, 42.0822



Achromatomaly

34.9083, 40.6660, 49.7255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.6490, 47.0685, 65.5988 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(91, 198, 206)` looks like.

```
.text, #text, p{  
    color:rgb(91, 198, 206)  
}
```

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(91, 198, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 198, 206) }
```

Border

The CSS property to change the border of an element to XYZ 35.6490, 47.0685, 65.5988 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(91, 198, 206) }
```


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

```
.border{ border-color:rgb(91, 198, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 198, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 198, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 198, 206);  
box-shadow:4px 4px 4px 4px rgb(91, 198,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 35.6490, 47.0685, 65.5988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 198, 206) }
```

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

```
.background{ background-color: rgb(91, 198,  
206) }
```

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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