

Converting Colors

XYZ(35.7691, 45.9296, 66.8225)

Have a look what the booklet for
XYZ(35.7691, 45.9296, 66.8225)
contains.

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Color

**XYZ(35.8300, 46.1257,
66.6892)**

Conversions

Conversions Part 1

Format	Color
Hex	61C3D0
RGB	97, 195, 208
RGB Percent	38%, 76%, 82%
CMY	0.6196, 0.2353, 0.1843
CMYK	0.53, 0.06, 0.00, 0.18
HSL	187°, 54%, 60%
HSV	187°, 53%, 82%
XYZ	35.8300, 46.1257, 66.6892
YIQ	167.1800, -62.5810, -16.7330

Conversions

Conversions Part 2

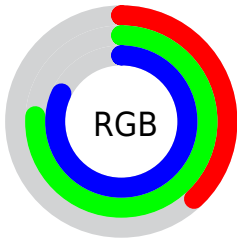
Format	Color
R _Y B	97, 149, 208
Decimal	6407120
CIE Lab	73.63, -25.13, -15.32
CIE LCh	74, 29.431, 211.366
Yxy	46.1257, 0.2410, 0.3103
Android (android.graphics.Color)	4284597200 (0xFF61C3D0)
YUV	167.1800, 20.1243, -61.5479
Hunter-Lab	67.9159, -24.6826, -10.6780

Details

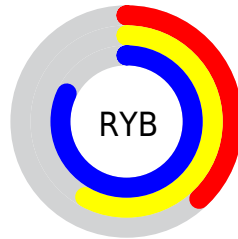
The XYZ color **35.8300, 46.1257, 66.6892** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7469, 25.4257, 14.4394**, and the grayscale version is **36.7464, 38.6601, 42.1008**.

A 20% lighter version of the original color is **66.5707, 83.9087, 107.2951**, and **15.8365, 21.6297, 33.9121** is the 20% darker color. If you saturate the color by 10%, you get **33.3566, 44.0480, 66.4194**, and if you desaturate by 10%, it is **38.8961, 48.5242, 66.9914**.

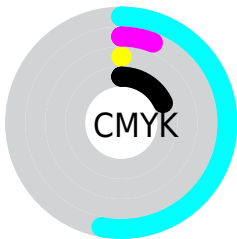
Distribution



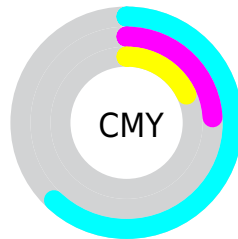
- Red (38%)
- Green (76%)
- Blue (82%)



- Red (38%)
- Yellow (58%)
- Blue (82%)



- Cyan (53%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (62%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8300, 46.1257, 66.6892 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 35.8300, 46.1257, 66.6892 by changing the saturation by 10% instead.

35.8300, 46.1257,
66.6892

35.8300, 46.1257,
66.6892

319.6611,
371.3138, 467.3090

24.4724, 32.3450,
48.3721

68.0952, 84.4071,
116.1114

15.8111, 21.6252,
33.7596

89.7335, 109.6766,
148.0535

9.4806, 13.5817,
22.4331

115.5295,
139.5445, 185.3744

5.1155, 7.8303,
13.9741

145.8484,
174.3952, 228.4926

2.3507, 3.9866,
7.9641

181.0557,
214.6131, 277.8266

0.8204, 1.6661,
3.9846

221.5167,

0.0000, 0.4015,

260.5825, 333.7950

1.6169

267.5967,
312.6880, 396.8163

■ 0.0000, 0.0000,
0.3028

■ 0.0000, 0.0000,
0.0000

■ 35.8300, 46.1257,
66.6892

■ 35.8300, 46.1257,
66.6892

■ 33.3566, 44.0480,
66.4194

■ 38.8961, 48.5242,
66.9914

■ 31.4251, 42.2618,
66.1764


■ 42.5922, 51.2597,
67.3246


■ 29.9835, 40.7413,
65.9589


■ 46.9573, 54.3535,
67.6917


■ 28.9669, 39.4529,
65.7638


■ 52.0262, 57.8234,
68.0943

 28.4519, 38.6873,
65.6431

 57.8311, 61.6863,
68.5339

 64.4023, 65.9577,
69.0121

 71.7683, 70.6524,
69.5300

 76.7959, 74.1553,
69.9411

 77.4188, 75.4012,
70.1488

Harmonies

Analogous

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



34.5676, 46.1257, 50.9103



35.8300, 46.1257, 66.6892



39.2126, 46.1257, 79.8546

Triad

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



35.8300, 46.1257, 66.6892



53.2367, 46.1257, 65.2679



43.6026, 46.1257, 26.6506

Complementary

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



35.8300, 46.1257, 66.6892



33.7469, 25.4257, 14.4394

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.



48.8202, 46.1257, 29.0121



35.8300, 46.1257, 66.6892



54.6404, 46.1257, 49.5420

Square

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



35.8300, 46.1257, 66.6892



49.2660, 46.1257, 78.9263



52.9653, 46.1257, 36.7183



38.8298, 46.1257, 29.4893

Rectangle

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



35.8300, 46.1257, 66.6892



42.3540, 46.1257, 84.2716



52.9653, 46.1257, 36.7183



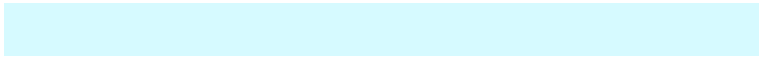
45.3625, 46.1257, 26.8590

Sweetspot

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



35.8314, 46.1275, 66.6903



80.0947, 90.0557, 107.7688



30.2984, 48.7788, 22.5571



16.7796, 19.0273, 23.0382



0.0000, 0.0000, 0.0000



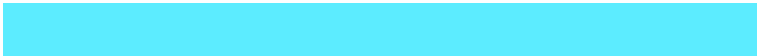
20.3446, 21.4041, 23.3091

Same Dimension

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



35.8314, 46.1275, 66.6903



52.4071, 69.4120, 105.2434



25.6285, 25.7217, 63.2893



12.0353, 13.1608, 15.1496



17.7788, 24.2043, 40.9273



1.0283, 1.4218, 2.2998

Inverse Universe

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



40.1386, 25.9006, 54.5155



60.1740, 34.9294, 82.8428



41.7076, 41.3470, 17.0929



12.2487, 11.9842, 14.5855



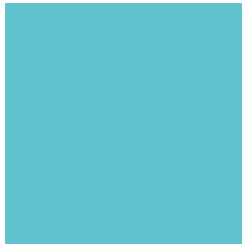
21.6047, 10.5147, 29.1540



1.2253, 0.5948, 1.7211

Previews

White Background



This preview shows how the XYZ color 35.8300, 46.1257, 66.6892 looks on a white background.

Color Contrast Check

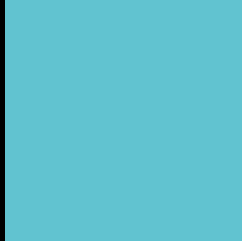
Large Text (above 18pt) WCAG AA × Fail

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 35.8300, 46.1257, 66.6892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

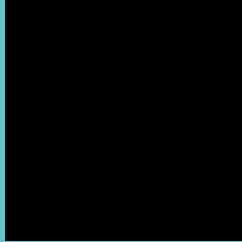
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.8300, 46.1257, 66.6892

Background



This preview shows how black text looks on a background with the XYZ color 35.8300, 46.1257, 66.6892.



This preview shows how white text looks on a background with the XYZ color 35.8300, 46.1257,

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

35.8300, 46.1257, 66.6892

Protanopia

44.5582, 45.7364, 59.3029

Deuteranopia

46.7004, 45.7492, 68.6565



Tritanopia

36.1850, 46.2800, 67.9986

Trichromacy



Original Color

35.8300, 46.1257, 66.6892

Protanomaly

40.2860, 45.3045, 61.8797

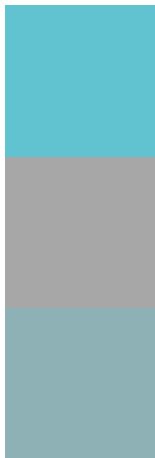
Deuteranomaly

41.4539, 45.1494, 68.1579

Tritanomaly

36.0607, 46.2303, 67.3443

Monochromacy



Original Color

35.8300, 46.1257, 66.6892

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3210, 40.5725, 50.2256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8300, 46.1257, 66.6892 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(97, 195, 208)` looks like.

```
.text, #text, p{  
    color:rgb(97, 195, 208)  
}
```

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(97, 195, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 195, 208) }
```

Border

The CSS property to change the border of an element to XYZ 35.8300, 46.1257, 66.6892 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(97, 195, 208) }
```


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

```
.border{ border-color:rgb(97, 195, 208) }
```

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

Here you see how a box with a 4 pixel rgb(97, 195, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 195, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 195, 208);  
box-shadow:4px 4px 4px 4px rgb(97, 195,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8300, 46.1257, 66.6892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 195, 208) }
```

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

```
.background{ background-color: rgb(97, 195,  
208) }
```

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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