

Converting Colors

XYZ(36.8484, 48.7120, 65.8458)

Have a look what the booklet for
XYZ(36.8484, 48.7120, 65.8458)
contains.

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Color

**XYZ(36.8511, 48.7163,
65.8535)**

Conversions

Conversions Part 1

Format	Color
Hex	60C9CE
RGB	96, 201, 206
RGB Percent	38%, 79%, 81%
CMY	0.6235, 0.2118, 0.1922
CMYK	0.53, 0.02, 0.00, 0.19
HSL	183°, 53%, 59%
HSV	183°, 53%, 81%
XYZ	36.8511, 48.7163, 65.8535
YIQ	170.1750, -64.1850, -20.7050

Conversions

Conversions Part 2

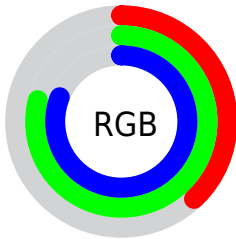
Format	Color
RYB	96, 150, 206
Decimal	6343118
CIELab	75.27, -28.83, -11.77
CIElCh	75, 31.141, 202.200
Yxy	48.7163, 0.2434, 0.3217
Android (android.graphics.Color)	4284533198 (0xFF60C9CE)
YUV	170.1750, 17.6617, -65.0515
Hunter-Lab	69.7971, -27.9013, -7.0821

Details

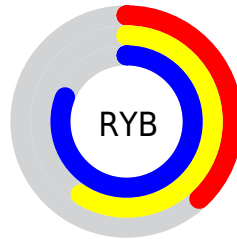
The XYZ color **36.8511, 48.7163, 65.8535** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.2196, 23.2747, 13.8619**, and the grayscale version is **38.2347, 40.2259, 43.8060**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **16.4779, 23.3286, 33.3402** is the 20% darker color. If you saturate the color by 10%, you get **34.7440, 47.3082, 65.6936**, and if you desaturate by 10%, it is **39.5303, 50.4235, 66.0427**.

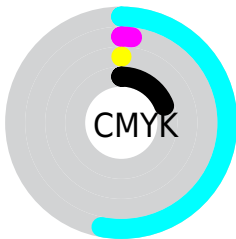
Distribution



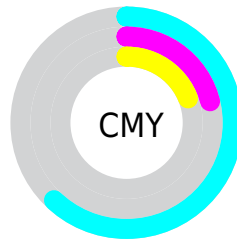
- Red (38%)
- Green (79%)
- Blue (81%)



- Red (38%)
- Yellow (59%)
- Blue (81%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (19%)





- Cyan (62%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8511, 48.7163, 65.8535 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 36.8511, 48.7163, 65.8535 by changing the saturation by 10% instead.


 36.8511, 48.7163,
65.8535


 36.8511, 48.7163,
65.8535


324.0322,
381.6244, 464.2427


 25.2654, 34.3945,
47.6978


 69.6590, 88.2700,
114.9010


 16.4047, 23.1968,
33.2293


 91.6120, 114.2706,
146.6299

 9.9036, 14.7389,
22.0296


 117.7513,
144.9329, 183.7202

 5.3969, 8.6363,
13.6801

 148.4425,
180.6414, 226.5906

 2.5191, 4.5048,
7.7623

184.0508,
221.7804, 275.6594

 0.9049, 1.9597,
3.8577

224.9416,

 0.0000, 0.5839,

268.7343, 331.3454

1.5476

271.4803,
321.8875, 394.0669

■ 0.0000, 0.0000,
0.2530

■ 0.0000, 0.0000,
0.0000

■ 36.8511, 48.7163,
65.8535

■ 36.8511, 48.7163,
65.8535

■ 34.7440, 47.3082,
65.6936

■ 39.5303, 50.4235,
66.0427

■ 33.1592, 46.1702,
65.5575

■ 42.8175, 52.4451,
66.2596

■ 32.0459, 45.2772,
65.4438

■ 46.7512, 54.8019,
66.5072

■ 31.3409, 44.5967,
65.3496

■ 51.3651, 57.5113,
66.7870

■ 31.0255, 44.2258,
65.2947

■ 56.6907, 60.5896,
67.1005

■ 62.7577, 64.0521,
67.4491

■ 69.5937, 67.9131,
67.8340

■ 75.0567, 71.0682,
68.1551

■ 75.2863, 71.5275,
68.2316

Harmonies

Analogous

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



36.2419, 48.7163, 48.8839



36.8511, 48.7163, 65.8535



39.8860, 48.7163, 82.0184

Triad

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



36.8511, 48.7163, 65.8535



55.5460, 48.7163, 74.7792



47.8117, 48.7163, 27.5625

Complementary

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



36.8511, 48.7163, 65.8535



32.2196, 23.2747, 13.8619

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.



53.3746, 48.7163, 31.8499



36.8511, 48.7163, 65.8535



58.0734, 48.7163, 57.4332

Square

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



36.8511, 48.7163, 65.8535



50.5833, 48.7163, 87.8667



57.2478, 48.7163, 42.0132



42.2720, 48.7163, 28.9041

Rectangle

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



36.8511, 48.7163, 65.8535



43.0229, 48.7163, 89.0294



57.2478, 48.7163, 42.0132



49.7465, 48.7163, 28.3559

Sweetspot

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



36.8526, 48.7182, 65.8547



81.0114, 91.8891, 108.0743



29.1805, 47.5442, 19.6125



17.0006, 19.4692, 23.1119



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.



36.8526, 48.7182, 65.8547



55.8834, 76.3644, 106.4022



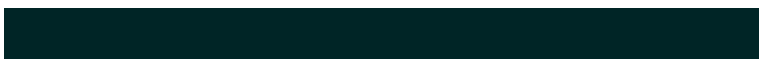
26.4514, 27.9157, 62.3876



11.4979, 12.6362, 14.4034



19.1241, 27.2723, 40.2124



1.0004, 1.4345, 2.0791

Inverse Universe

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



40.1803, 25.7059, 58.1043



61.9287, 35.6312, 92.0826



39.2320, 37.2996, 16.1994



11.6647, 11.3946, 14.0348



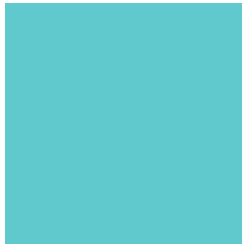
21.8639, 10.5561, 33.3315



1.1349, 0.5474, 1.7562

Previews

White Background



This preview shows how the XYZ color 36.8511, 48.7163, 65.8535 looks on a white background.

Color Contrast Check

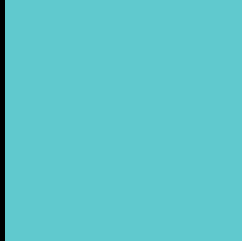
Large Text (above 18pt) WCAG AA × Fail

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 36.8511, 48.7163, 65.8535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

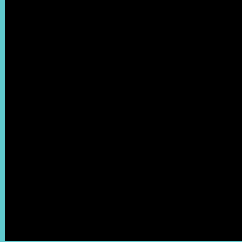
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8511, 48.7163, 65.8535

Background



This preview shows how black text looks on a background with the XYZ color 36.8511, 48.7163, 65.8535.

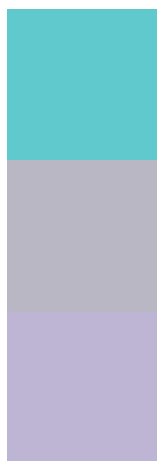


This preview shows how white text looks on a background with the XYZ color 36.8511, 48.7163,

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

36.8511, 48.7163, 65.8535

Protanopia

46.5510, 47.9975, 58.4407

Deuteranopia

49.3143, 48.2928, 68.3503



Tritanopia

38.0736, 48.5140, 72.3232

Trichromacy



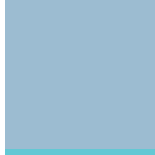
Original Color

36.8511, 48.7163, 65.8535



Protanomaly

41.6712, 47.6258, 61.0292



Deuteranomaly

43.2021, 47.6378, 67.2396



Tritanomaly

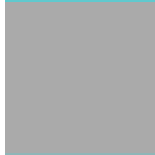
37.6835, 48.7147, 69.7041

Monochromacy



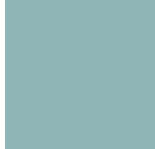
Original Color

36.8511, 48.7163, 65.8535



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

36.3988, 42.3063, 51.0473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8511, 48.7163, 65.8535 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(96, 201, 206)` looks like.

```
.text, #text, p{  
    color:rgb(96, 201, 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(96, 201, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 201, 206) }
```

Border

The CSS property to change the border of an element to XYZ 36.8511, 48.7163, 65.8535 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(96, 201, 206) }
```


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

```
.border{ border-color:rgb(96, 201, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 201, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 201, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 201, 206);  
box-shadow:4px 4px 4px 4px rgb(96, 201,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8511, 48.7163, 65.8535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 201, 206) }
```

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

```
.background{ background-color: rgb(96, 201,  
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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