

Converting Colors

XYZ(36.3821, 45.6782, 64.6576)

Have a look what the booklet for
XYZ(36.3821, 45.6782, 64.6576)
contains.

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Color

**XYZ(36.5198, 45.8627,
64.6852)**

Conversions

Conversions Part 1

Format	Color
Hex	6EC1CD
RGB	110, 193, 205
RGB Percent	43%, 76%, 80%
CMY	0.5686, 0.2431, 0.1961
CMYK	0.46, 0.06, 0.00, 0.20
HSL	188°, 49%, 62%
HSV	188°, 46%, 80%
XYZ	36.5198, 45.8627, 64.6852
YIQ	169.5510, -53.3200, -13.8640

Conversions

Conversions Part 2

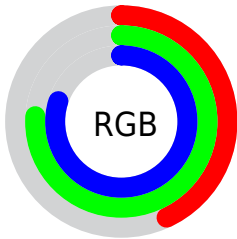
Format	Color
R _{YB}	110, 154, 205
Decimal	7258573
CIE Lab	73.46, -22.09, -13.89
CIE LCh	73, 26.098, 212.169
Yxy	45.8627, 0.2483, 0.3118
Android (android.graphics.Color)	4285448653 (0xFF6EC1CD)
YUV	169.5510, 17.4764, -52.2262
Hunter-Lab	67.7220, -22.2555, -9.2259

Details

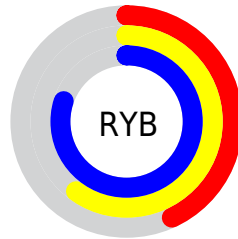
The XYZ color **36.5198, 45.8627, 64.6852** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.9517, 28.0248, 18.3202**, and the grayscale version is **37.9212, 39.8961, 43.4469**.

A 20% lighter version of the original color is **68.1720, 83.8067, 107.1910**, and **16.1838, 21.4034, 32.5565** is the 20% darker color. If you saturate the color by 10%, you get **33.6912, 43.5633, 64.3913**, and if you desaturate by 10%, it is **39.9512, 48.4899, 65.0123**.

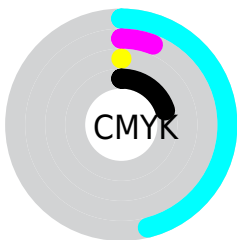
Distribution



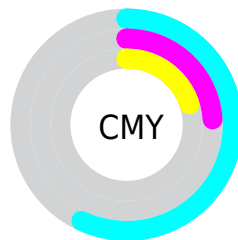
- Red (43%)
- Green (76%)
- Blue (80%)



- Red (43%)
- Yellow (60%)
- Blue (80%)



- Cyan (46%)
- Magenta (6%)
- Yellow (0%)
- Black (20%)



- Cyan (57%)
- Magenta (24%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5198, 45.8627, 64.6852 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 36.5198, 45.8627, 64.6852 by changing the saturation by 10% instead.

■ 36.5198, 45.8627,
64.6852

■ 36.5198, 45.8627,
64.6852

322.6186,
370.2564, 459.9351

■ 25.0079, 32.1375,
46.7561

■ 69.1523, 84.0135,
113.2061

■ 16.2117, 21.4665,
32.4900

■ 91.0035, 109.2078,
144.6350

■ 9.7659, 13.4654,
21.4681

■ 117.0319,
138.9940, 181.4009

■ 5.3051, 7.7498,
13.2720

147.6028,
173.7565, 223.9225

■ 2.4639, 3.9353,
7.4832

183.0816,
213.8795, 272.6181

■ 0.8771, 1.6374,
3.6831

223.8335,

■ 0.0000, 0.3826,

259.7476, 327.9064

1.4532

270.2241,
311.7451, 390.2058

■ 0.0000, 0.0000,
0.1827

■ 0.0000, 0.0000,
0.0000

■ 36.5198, 45.8627,
64.6852

■ 36.5198, 45.8627,
64.6852

■ 33.6912, 43.5633,
64.3913

■ 39.9512, 48.4899,
65.0123

■ 31.4200, 41.5649,
64.1252


■ 44.0185, 51.4588,
65.3709


■ 29.6608, 39.8452,
63.8860


■ 48.7575, 54.7890,
65.7640


■ 28.3593, 38.3762,
63.6711


■ 54.2000, 58.4969,
66.1928


 27.4464, 37.1220,
63.4771


 60.3757, 62.5981,
66.6589

 27.1617, 36.6921,
63.4091

 67.3128, 67.1069,
67.1636

 75.0376, 72.0372,
67.7081

 76.2344, 73.6175,
67.9500

 76.8938, 74.9363,
68.1698

Harmonies

Analogous

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



35.3310, 45.8627, 50.9020



36.5198, 45.8627, 64.6852



39.5880, 45.8627, 75.8752

Triad

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



36.5198, 45.8627, 64.6852



51.8963, 45.8627, 62.7310



43.2571, 45.8627, 28.6475

Complementary

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



36.5198, 45.8627, 64.6852



34.9517, 28.0248, 18.3202

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.



47.8554, 45.8627, 30.7069



36.5198, 45.8627, 64.6852



53.0477, 45.8627, 48.9836

Square

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



36.5198, 45.8627, 64.6852



48.4754, 45.8627, 74.6145



51.5210, 45.8627, 37.6199



39.0464, 45.8627, 31.4057

Rectangle

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



36.5198, 45.8627, 64.6852



42.3962, 45.8627, 79.4942



51.5210, 45.8627, 37.6199



44.8083, 45.8627, 28.7984

Sweetspot

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



36.5212, 45.8645, 64.6863



81.6922, 91.0035, 107.8675



31.7191, 48.3611, 25.7800



17.0901, 19.2060, 23.0563



0.0000, 0.0000, 0.0000



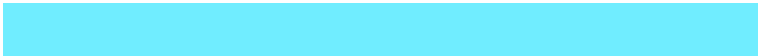
20.3446, 21.4041, 23.3091

Same Dimension

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



36.5212, 45.8645, 64.6863



55.0315, 71.2257, 105.4552



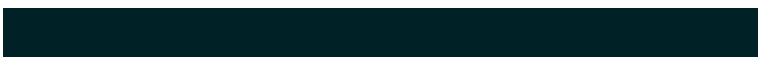
27.7942, 28.4105, 61.7773



11.4177, 12.4758, 14.3767



16.9573, 22.9386, 39.4901



0.9095, 1.2527, 2.0488

Inverse Universe

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



40.3796, 27.9825, 53.7269



62.3371, 39.0049, 84.3368



42.1029, 42.3272, 20.7039



11.6242, 11.3784, 13.8216



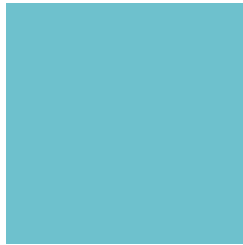
20.7702, 10.1187, 27.5721



1.0890, 0.5290, 1.5145

Previews

White Background



This preview shows how the XYZ color 36.5198, 45.8627, 64.6852 looks on a white background.

Color Contrast Check

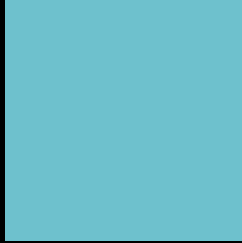
Large Text (above 18pt) WCAG AA × Fail

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 36.5198, 45.8627, 64.6852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

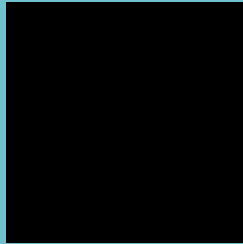
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.5198, 45.8627, 64.6852

Background



This preview shows how black text looks on a background with the XYZ color 36.5198, 45.8627, 64.6852.



This preview shows how white text looks on a background with the XYZ color 36.5198, 45.8627,

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

36.5198, 45.8627, 64.6852

Protanopia

44.2443, 45.2913, 58.6347

Deuteranopia

46.3670, 45.3307, 66.6275



Tritanopia

37.0107, 46.0735, 66.6169

Trichromacy



Original Color

36.5198, 45.8627, 64.6852

Protanomaly

40.3792, 44.7628, 60.5447

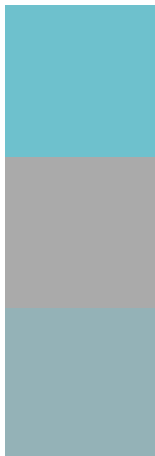
Deuteranomaly

41.8234, 45.0779, 66.1711

Tritanomaly

36.8880, 46.0244, 65.9709

Monochromacy



Original Color

36.5198, 45.8627, 64.6852

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

36.6804, 41.5556, 50.8875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5198, 45.8627, 64.6852 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(110, 193, 205)` looks like.

```
.text, #text, p{  
    color:rgb(110, 193, 205)  
}
```

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(110, 193, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 193, 205) }
```

Border

The CSS property to change the border of an element to XYZ 36.5198, 45.8627, 64.6852 is called "border". The border property can be set on classes, ids or directly on the HTML element.

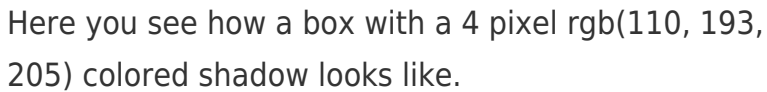
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(110, 193, 205) }
```


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

```
.border{ border-color:rgb(110, 193, 205) }
```

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



Here you see how a box with a 4 pixel `rgb(110, 193, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 193, 205); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 193, 205); box-shadow:4px 4px 4px 4px rgb(110, 193, 205) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5198, 45.8627, 64.6852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 193, 205) }
```

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

```
.background{ background-color: rgb(110,  
193, 205) }
```

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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