

Converting Colors

XYZ(36.8559, 47.8409, 58.9223)

Have a look what the booklet for
XYZ(36.8559, 47.8409, 58.9223)
contains.

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Color

**XYZ(36.8545, 47.8390,
58.9212)**

Conversions

Conversions Part 1

Format	Color
Hex	71C6C3
RGB	113, 198, 195
RGB Percent	44%, 78%, 76%
CMY	0.5568, 0.2235, 0.2353
CMYK	0.43, 0.00, 0.02, 0.22
HSL	178°, 43%, 61%
HSV	178°, 43%, 78%
XYZ	36.8545, 47.8390, 58.9212
YIQ	172.2430, -49.6970, -18.9530

Conversions

Conversions Part 2

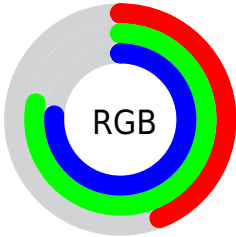
Format	Color
RYB	113, 156, 198
Decimal	7456451
CIELab	74.72, -26.45, -6.56
CIELCh	75, 27.247, 193.932
Yxy	47.8390, 0.2566, 0.3331
Android (android.graphics.Color)	4285646531 (0xFF71C6C3)
YUV	172.2430, 11.2192, -51.9561
Hunter-Lab	69.1657, -25.9275, -2.0922

Details

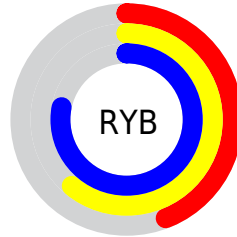
The XYZ color **36.8545, 47.8390, 58.9212** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.3479, 25.0785, 19.6605**, and the grayscale version is **39.2999, 41.3466, 45.0264**.

A 20% lighter version of the original color is **69.5348, 86.9201, 104.3792**, and **16.4119, 22.7104, 28.7178** is the 20% darker color. If you saturate the color by 10%, you get **34.5013, 46.6361, 58.4003**, and if you desaturate by 10%, it is **39.7666, 49.3322, 59.4723**.

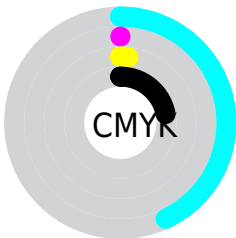
Distribution



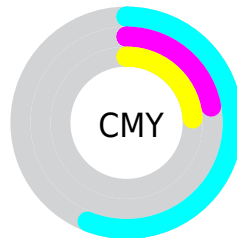
- Red (44%)
- Green (78%)
- Blue (76%)



- Red (44%)
- Yellow (61%)
- Blue (78%)



- Cyan (43%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (56%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8545, 47.8390, 58.9212 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 36.8545, 47.8390, 58.9212 by changing the saturation by 10% instead.

■ 36.8545, 47.8390,
58.9212

■ 36.8545, 47.8390,
58.9212

324.0466,
378.1536, 438.3036

■ 25.2680, 33.6994,
42.1301

■ 69.6642, 86.9646,
104.7911

■ 16.4066, 22.6628,
28.8768

■ 91.6182, 112.7195,
134.7070

■ 9.9050, 14.3447,
18.7429

■ 117.7587,
143.1149, 169.8349

■ 5.3978, 8.3608,
11.3097

148.4511,
178.5352, 210.5934

■ 2.5197, 4.3267,
6.1588

184.0607,
219.3648, 257.4010

■ 0.9052, 1.8579,
2.8715

224.9529,

■ 0.0000, 0.5229,

265.9882, 310.6761

1.0294

271.4931,
318.7896, 370.8375

■ 0.0000, 0.0000,
0.0000

■ 36.8545, 47.8390,
58.9212

■ 36.8545, 47.8390,
58.9212

■ 34.5013, 46.6361,
58.4003

■ 39.7666, 49.3322,
59.4723

■ 32.6662, 45.6992,
57.9045

■ 43.2666, 51.1274,
60.0518

■ 31.3098, 45.0090,
57.4331


■ 47.3866, 53.2420,
60.6622


■ 30.3851, 44.5413,
56.9838


■ 52.1549, 55.6909,
61.3049


■ 29.8356, 44.2669,
56.5540

■ 57.5985, 58.4878,
61.9812

 29.6000, 44.1518,
56.2583

 63.7423, 61.6458,
62.6922

 70.6105, 65.1770,
63.4390

 71.9300, 65.8477,
63.9281

 72.0122, 65.8807,
64.3613

Harmonies

Analogous

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



36.9342, 47.8390, 44.9122



36.8545, 47.8390, 58.9212



38.9625, 47.8390, 73.3483

Triad

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



36.8545, 47.8390, 58.9212



52.3877, 47.8390, 74.2531



48.1511, 47.8390, 30.0659

Complementary

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



36.8545, 47.8390, 58.9212



32.3479, 25.0785, 19.6605

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.



52.6634, 47.8390, 35.3935



36.8545, 47.8390, 58.9212



55.2278, 47.8390, 59.9913

Square

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



36.8545, 47.8390, 58.9212



47.7966, 47.8390, 83.2260



55.3322, 47.8390, 45.8056



43.2193, 47.8390, 29.8842

Rectangle

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



36.8545, 47.8390, 58.9212



41.4196, 47.8390, 80.5650



55.3322, 47.8390, 45.8056



49.7753, 47.8390, 31.2638

Sweetspot

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



36.8559, 47.8409, 58.9223



83.7003, 94.1707, 107.3879



30.5460, 45.3816, 22.7735



17.5460, 19.9668, 22.9326



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.



36.8559, 47.8409, 58.9223



61.1479, 82.6089, 103.4256



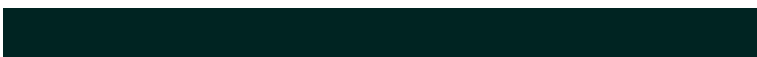
29.5321, 32.6446, 58.1726



10.9299, 12.0608, 13.5811



19.2559, 28.7147, 36.6215



0.9169, 1.3617, 1.7613

Inverse Universe

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



32.3479, 25.0785, 19.6605



52.0849, 36.8120, 24.4673



37.3779, 35.4135, 20.4894



10.6488, 10.6429, 11.1338



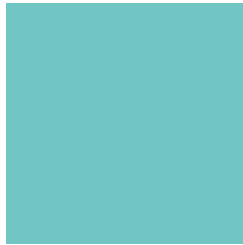
15.1768, 7.8203, 0.8751



0.7240, 0.3725, 0.0699

Previews

White Background



This preview shows how the XYZ color 36.8545, 47.8390, 58.9212 looks on a white background.

Color Contrast Check

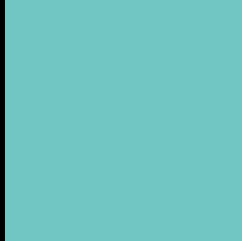
Large Text (above 18pt) WCAG AA × Fail

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 36.8545, 47.8390, 58.9212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

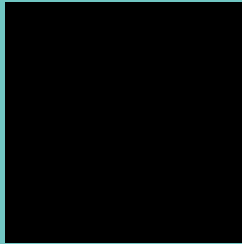
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8545, 47.8390, 58.9212

Background



This preview shows how black text looks on a background with the XYZ color 36.8545, 47.8390, 58.9212.

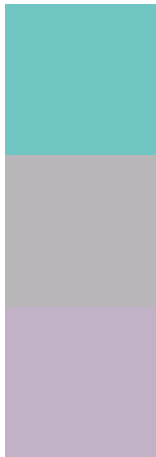


This preview shows how white text looks on a background with the XYZ color 36.8545, 47.8390,

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

36.8545, 47.8390, 58.9212

Protanopia

45.4925, 47.2730, 52.6258

Deuteranopia

48.2215, 47.3018, 60.6214



Tritanopia

38.9690, 48.0346, 68.8457

Trichromacy



Original Color

36.8545, 47.8390, 58.9212

Protanomaly

41.4666, 47.0115, 55.0327

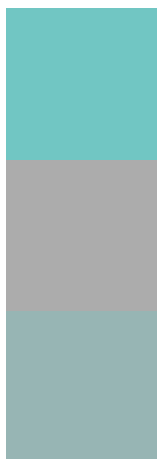
Deuteranomaly

42.8518, 46.6677, 60.1753

Tritanomaly

38.1882, 48.0533, 65.0201

Monochromacy



Original Color

36.8545, 47.8390, 58.9212

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.5246, 42.9223, 49.4871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8545, 47.8390, 58.9212 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(113, 198, 195)` looks like.

```
.text, #text, p{  
    color:rgb(113, 198, 195)  
}
```

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(113, 198, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 198, 195) }
```

Border

The CSS property to change the border of an element to XYZ 36.8545, 47.8390, 58.9212 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(113, 198, 195) }
```


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

```
.border{ border-color:rgb(113, 198, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 198, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 198, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 198, 195);  
box-shadow:4px 4px 4px 4px rgb(113, 198,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8545, 47.8390, 58.9212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 198, 195) }
```

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

```
.background{ background-color: rgb(113,  
198, 195) }
```

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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