

Converting Colors

XYZ(37.2057, 47.9061, 58.0932)

Have a look what the booklet for
XYZ(37.2057, 47.9061, 58.0932)
contains.

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Color

**XYZ(37.4029, 48.1348,
58.3585)**

Conversions

Conversions Part 1

Format	Color
Hex	76C6C2
RGB	118, 198, 194
RGB Percent	46%, 78%, 76%
CMY	0.5372, 0.2235, 0.2392
CMYK	0.40, 0.00, 0.02, 0.22
HSL	177°, 41%, 62%
HSV	177°, 40%, 78%
XYZ	37.4029, 48.1348, 58.3585
YIQ	173.6240, -46.3960, -18.2040

Conversions

Conversions Part 2

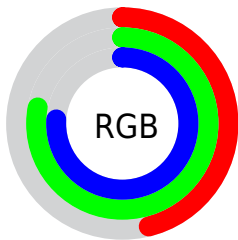
Format	Color
RYB	118, 159, 198
Decimal	7784130
CIELab	74.91, -25.45, -5.72
CIELCh	75, 26.084, 192.663
Yxy	48.1348, 0.2599, 0.3345
Android (android.graphics.Color)	4285974210 (0xFF76C6C2)
YUV	173.6240, 10.0454, -48.7822
Hunter-Lab	69.3792, -25.1829, -1.3064

Details

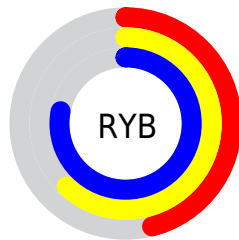
The XYZ color **37.4029, 48.1348, 58.3585** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2817, 26.3692, 21.7498**, and the grayscale version is **40.0077, 42.0912, 45.8373**.

A 20% lighter version of the original color is **70.4709, 87.4208, 103.6022**, and **16.6935, 22.8641, 28.3443** is the 20% darker color. If you saturate the color by 10%, you get **34.8807, 46.8485, 57.6626**, and if you desaturate by 10%, it is **40.4931, 49.7161, 59.0869**.

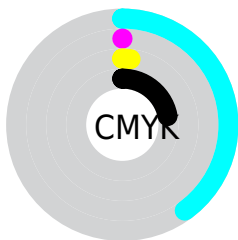
Distribution



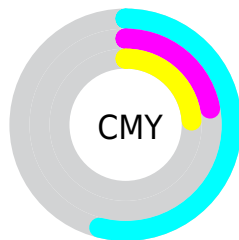
- Red (46%)
- Green (78%)
- Blue (76%)



- Red (46%)
- Yellow (62%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (54%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4029, 48.1348, 58.3585 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 37.4029, 48.1348, 58.3585 by changing the saturation by 10% instead.

■ 37.4029, 48.1348,
58.3585

■ 37.4029, 48.1348,
58.3585

326.3769,
379.3262, 436.1560

■ 25.6947, 33.9336,
41.6803

■ 70.5018, 87.4051,
103.9647

■ 16.7269, 22.8426,
28.5274

■ 92.6233, 113.2430,
133.7297

■ 10.1340, 14.4774,
18.4811

■ 118.9465,
143.7286, 168.6942

■ 5.5509, 8.4534,
11.1229

149.8369,
179.2463, 209.2765

■ 2.6120, 4.3864,
6.0344

185.6597,
220.1806, 255.8954

■ 0.9521, 1.8920,
2.7969

226.7805,

■ 0.0000, 0.5436,

266.9157, 308.9692

0.9919

273.5644,
319.8361, 368.9165

■ 0.0000, 0.0000,
0.0000

■ 37.4029, 48.1348,
58.3585

■ 37.4029, 48.1348,
58.3585

■ 34.8807, 46.8485,
57.6626

■ 40.4931, 49.7161,
59.0869

■ 32.8865, 45.8332,
56.9943

■ 44.1795, 51.6035,
59.8461

■ 31.3823, 45.0704,
56.3527

■ 48.4936, 53.8145,
60.6385

■ 30.3227, 44.5367,
55.7358

■ 53.4633, 56.3633,
61.4655

■ 29.6541, 44.2045,
55.1411

■ 59.1152, 59.2637,
62.3283

■ 29.2826, 44.0249,
54.5866

■ 65.4739, 62.5284,
63.2281

■ 71.9699, 65.8638,
64.1383

■ 72.0868, 65.9106,
64.7538

■ 72.2045, 65.9576,
65.3733

Harmonies

Analogous

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



37.5718, 48.1348, 44.9937



37.4029, 48.1348, 58.3585



39.3557, 48.1348, 72.2180

Triad

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



37.4029, 48.1348, 58.3585



52.2258, 48.1348, 74.1026



48.5276, 48.1348, 31.1910

Complementary

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



37.4029, 48.1348, 58.3585



33.2817, 26.3692, 21.7498

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.



52.8034, 48.1348, 36.6029



37.4029, 48.1348, 58.3585



55.0380, 48.1348, 60.6009

Square

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



37.4029, 48.1348, 58.3585



47.7829, 48.1348, 82.3098



55.2564, 48.1348, 46.8813



43.7769, 48.1348, 30.8019

Rectangle

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



37.4029, 48.1348, 58.3585



41.6820, 48.1348, 79.2600



55.2564, 48.1348, 46.8813



50.0759, 48.1348, 32.4336

Sweetspot

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



37.4043, 48.1367, 58.3596



84.4291, 94.5531, 107.1215



31.6817, 45.9337, 24.3368



17.8462, 20.1229, 22.8882



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.



37.4043, 48.1367, 58.3596



62.4495, 83.3059, 102.3098



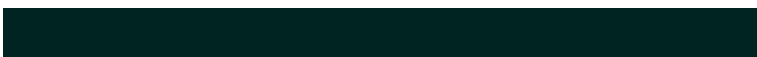
30.8222, 34.2433, 58.4134



10.9229, 12.0580, 13.5442



19.0521, 28.6332, 35.5485



0.9093, 1.3587, 1.7212

Inverse Universe

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



33.2817, 26.3692, 21.7498



54.2129, 39.7817, 29.1416



37.8972, 35.9889, 22.0897



10.6550, 10.6454, 11.1666



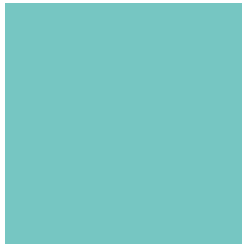
15.1900, 7.8256, 0.9443



0.7269, 0.3736, 0.0851

Previews

White Background



This preview shows how the XYZ color 37.4029, 48.1348, 58.3585 looks on a white background.

Color Contrast Check

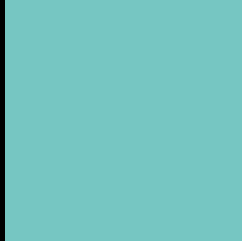
Large Text (above 18pt) WCAG AA × Fail

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 37.4029, 48.1348, 58.3585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

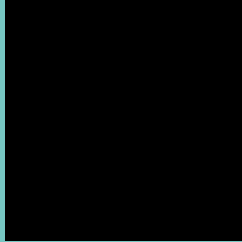
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4029, 48.1348, 58.3585

Background



This preview shows how black text looks on a background with the XYZ color 37.4029, 48.1348, 58.3585.

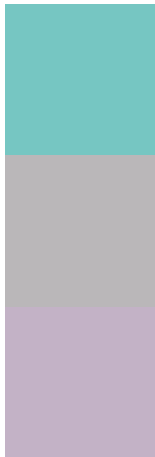


This preview shows how white text looks on a background with the XYZ color 37.4029, 48.1348,

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

37.4029, 48.1348, 58.3585

Protanopia

45.9401, 47.8089, 52.7057

Deuteranopia

48.6191, 47.5201, 60.0359



Tritanopia

39.4414, 47.9443, 68.8034

Trichromacy



Original Color

37.4029, 48.1348, 58.3585

Protanomaly

41.7583, 47.1743, 54.4816

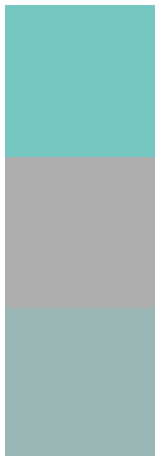
Deuteranomaly

43.3634, 46.9446, 59.5991

Tritanomaly

38.6445, 47.9526, 64.9766

Monochromacy



Original Color

37.4029, 48.1348, 58.3585

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6004, 44.0732, 50.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4029, 48.1348, 58.3585 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(118, 198, 194)` looks like.

```
.text, #text, p{  
    color:rgb(118, 198, 194)  
}
```

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(118, 198, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 198, 194) }
```

Border

The CSS property to change the border of an element to XYZ 37.4029, 48.1348, 58.3585 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(118, 198, 194) }
```


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

```
.border{ border-color:rgb(118, 198, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 198, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(118, 198,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4029, 48.1348, 58.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 198, 194) }
```

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

```
.background{ background-color: rgb(118,  
198, 194) }
```

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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