

Converting Colors

XYZ(37.4254, 48.3758, 59.7595)

Have a look what the booklet for
XYZ(37.4254, 48.3758, 59.7595)
contains.

XYZ(37.4575, 48.4772, 59.6074)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.4575, 48.4772,
59.6074)**

Conversions

Conversions Part 1

Format	Color
Hex	73C7C4
RGB	115, 199, 196
RGB Percent	45%, 78%, 77%
CMY	0.5490, 0.2196, 0.2314
CMYK	0.42, 0.00, 0.02, 0.22
HSL	178°, 43%, 62%
HSV	178°, 42%, 78%
XYZ	37.4575, 48.4772, 59.6074
YIQ	173.5420, -49.1010, -18.7410

Conversions

Conversions Part 2

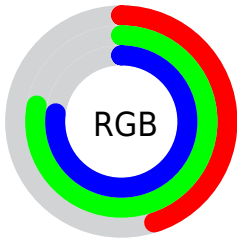
Format	Color
RYB	115, 158, 199
Decimal	7587780
CIELab	75.12, -26.20, -6.50
CIElCh	75, 26.993, 193.930
Yxy	48.4772, 0.2574, 0.3331
Android (android.graphics.Color)	4285777860 (0xFF73C7C4)
YUV	173.5420, 11.0718, -51.3413
Hunter-Lab	69.6256, -25.8145, -2.0211

Details

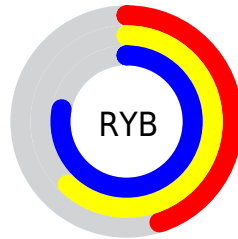
The XYZ color **37.4575, 48.4772, 59.6074** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.9556, 25.7131, 20.3676**, and the grayscale version is **39.9617, 42.0428, 45.7846**.

A 20% lighter version of the original color is **70.2842, 87.2698, 106.0689**, and **16.7528, 23.1033, 29.1676** is the 20% darker color. If you saturate the color by 10%, you get **35.0375, 47.2401, 59.0736**, and if you desaturate by 10%, it is **40.4456, 50.0094, 60.1719**.

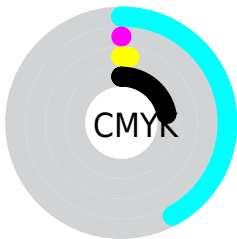
Distribution



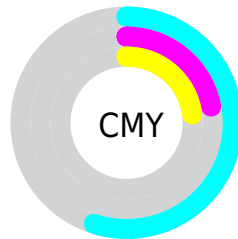
- Red (45%)
- Green (78%)
- Blue (77%)



- Red (45%)
- Yellow (62%)
- Blue (78%)



- Cyan (42%)
- Magenta (0%)
- Yellow (2%)
- Black (22%)



- Cyan (55%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.4575, 48.4772, 59.6074 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 37.4575, 48.4772, 59.6074 by changing the saturation by 10% instead.

■ 37.4575, 48.4772,
59.6074

■ 37.4575, 48.4772,
59.6074

326.6083,
380.6805, 440.9135

■ 25.7372, 34.2049,
42.6790

■ 70.5851, 87.9145,
105.7977

■ 16.7588, 23.0511,
29.3038

■ 92.7232, 113.8483,
135.8968

■ 10.1569, 14.6312,
19.0632

■ 119.0645,
144.4381, 171.2231

■ 5.5662, 8.5610,
11.5387

149.9746,
180.0683, 212.1954

■ 2.6213, 4.4560,
6.3117

185.8186,
221.1232, 259.2320

■ 0.9568, 1.9317,
2.9637

226.9620,

■ 0.0000, 0.5674,

267.9873, 312.7515

1.0761

273.7701,
321.0449, 373.1725

■ 0.0000, 0.0000,
0.0000

■ 37.4575, 48.4772,
59.6074

■ 37.4575, 48.4772,
59.6074

■ 35.0375, 47.2401,
59.0736

■ 40.4456, 50.0094,
60.1719

■ 33.1446, 46.2736,
58.5654

■ 44.0310, 51.8483,
60.7654

■ 31.7392, 45.5583,
58.0820

■ 48.2459, 54.0117,
61.3902

■ 30.7742, 45.0701,
57.6212

■ 53.1190, 56.5144,
62.0480

■ 30.1934, 44.7798,
57.1804

■ 58.6772, 59.3702,
62.7397

■ 29.9266, 44.6494,
56.8470

■ 64.9461, 62.5923,
63.4668

■ 71.9497, 66.1932,
64.2303

■ 72.2883, 66.3581,
64.6839

■ 72.3726, 66.3918,
65.1275

Harmonies

Analogous

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



37.5375, 48.4772, 45.6052



37.4575, 48.4772, 59.6074



39.5679, 48.4772, 73.9971

Triad

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



37.4575, 48.4772, 59.6074



52.9858, 48.4772, 74.9005



48.7560, 48.4772, 30.7195

Complementary

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



37.4575, 48.4772, 59.6074



32.9556, 25.7131, 20.3676

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.



53.2616, 48.4772, 36.0693



37.4575, 48.4772, 59.6074



55.8203, 48.4772, 60.6779

Square

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



37.4575, 48.4772, 59.6074



48.4010, 48.4772, 83.8365



55.9247, 48.4772, 46.5012



43.8269, 48.4772, 30.5366

Rectangle

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



37.4575, 48.4772, 59.6074



42.0263, 48.4772, 81.1861



55.9247, 48.4772, 46.5012



50.3781, 48.4772, 31.9233

Sweetspot

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



37.4589, 48.4791, 59.6085



83.6981, 94.1698, 107.3762



31.1547, 46.0227, 23.4621



17.5454, 19.9666, 22.9297



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.



37.4589, 48.4791, 59.6085



61.5208, 82.8005, 103.4720



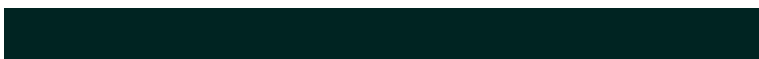
30.1604, 33.3298, 58.8786



10.9297, 12.0608, 13.5800



19.2500, 28.7124, 36.5906



0.9167, 1.3616, 1.7602

Inverse Universe

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



32.9556, 25.7131, 20.3676



52.5696, 37.5155, 25.4483



38.0080, 36.0987, 21.1854



10.6490, 10.6430, 11.1348



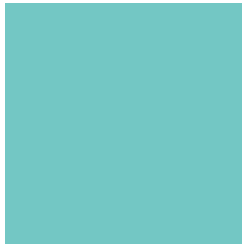
15.1772, 7.8204, 0.8771



0.7241, 0.3725, 0.0704

Previews

White Background



This preview shows how the XYZ color 37.4575, 48.4772, 59.6074 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 37.4575, 48.4772, 59.6074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

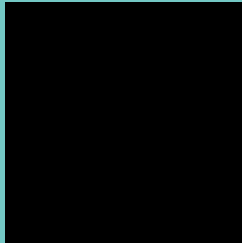
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4575, 48.4772, 59.6074

Background



This preview shows how black text looks on a background with the XYZ color 37.4575, 48.4772, 59.6074.

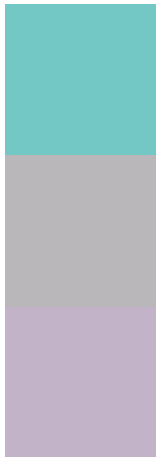


This preview shows how white text looks on a background with the XYZ color 37.4575, 48.4772,

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

37.4575, 48.4772, 59.6074

Protanopia

46.1528, 47.8939, 53.8256

Deuteranopia

48.7936, 47.8797, 61.3136



Tritanopia

39.5956, 48.6790, 69.5964

Trichromacy



Original Color

37.4575, 48.4772, 59.6074

Protanomaly

41.9891, 47.5865, 55.6872

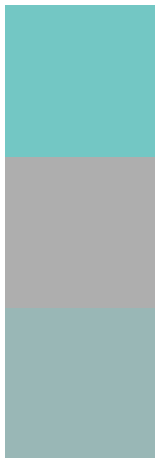
Deuteranomaly

43.3848, 47.2407, 60.8646

Tritanomaly

38.8059, 48.6960, 65.7465

Monochromacy



Original Color

37.4575, 48.4772, 59.6074

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.5139, 44.0167, 50.7221

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4575, 48.4772, 59.6074 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(115, 199, 196)` looks like.

```
.text, #text, p{  
    color:rgb(115, 199, 196)  
}
```

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(115, 199, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 199, 196) }
```

Border

The CSS property to change the border of an element to XYZ 37.4575, 48.4772, 59.6074 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(115, 199, 196) }
```


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

```
.border{ border-color:rgb(115, 199, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 199, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 199, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 199, 196);  
box-shadow:4px 4px 4px 4px rgb(115, 199,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4575, 48.4772, 59.6074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 199, 196) }
```

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

```
.background{ background-color: rgb(115,  
199, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor