

Converting Colors

XYZ(37.7209, 48.5764, 61.3915)

Have a look what the booklet for
XYZ(37.7209, 48.5764, 61.3915)
contains.

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Color

**XYZ(37.6717, 48.5478,
61.4180)**

Conversions

Conversions Part 1

Format	Color
Hex	72C7C7
RGB	114, 199, 199
RGB Percent	45%, 78%, 78%
CMY	0.5529, 0.2196, 0.2196
CMYK	0.43, 0.00, 0.00, 0.22
HSL	180°, 43%, 61%
HSV	180°, 43%, 78%
XYZ	37.6717, 48.5478, 61.4180
YIQ	173.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

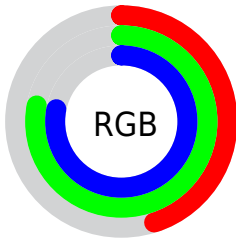
Format	Color
RYB	114, 157, 199
Decimal	7522247
CIELab	75.17, -25.69, -8.06
CIELCh	75, 26.927, 197.422
Yxy	48.5478, 0.2552, 0.3288
Android (android.graphics.Color)	4285712327 (0xFF72C7C7)
YUV	173.5850, 12.5296, -52.2560
Hunter-Lab	69.6763, -25.4243, -3.4894

Details

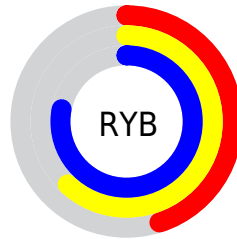
The XYZ color **37.6717, 48.5478, 61.4180** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.6095, 25.3932, 19.1041**, and the grayscale version is **39.9770, 42.0590, 45.8022**.

A 20% lighter version of the original color is **70.3876, 87.2860, 107.7458**, and **16.9236, 23.1650, 30.3674** is the 20% darker color. If you saturate the color by 10%, you get **35.3599, 47.3572, 61.3106**, and if you desaturate by 10%, it is **40.5495, 50.0325, 61.5540**.

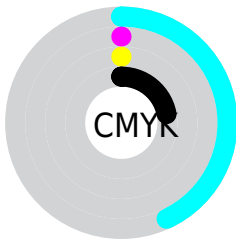
Distribution



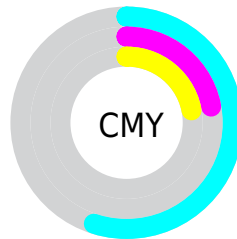
- Red (45%)
- Green (78%)
- Blue (78%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6717, 48.5478, 61.4180 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 37.6717, 48.5478, 61.4180 by changing the saturation by 10% instead.

■ 37.6717, 48.5478,
61.4180

■ 37.6717, 48.5478,
61.4180

327.5148,
380.9594, 447.7539

■ 25.9040, 34.2609,
44.1298

■ 70.9118, 88.0195,
108.4474

■ 16.8842, 23.0941,
30.4347

■ 93.1150, 113.9730,
139.0256

■ 10.2467, 14.6630,
19.9139

■ 119.5273,
144.5843, 174.8710

■ 5.6264, 8.5832,
12.1490

150.5143,
180.2376, 216.4021

■ 2.6577, 4.4703,
6.7215

186.4411,
221.3173, 264.0374

■ 0.9755, 1.9400,
3.2127

227.6733,

■ 0.0000, 0.5723,

268.2080, 318.1954

1.2043

274.5760,
321.2938, 379.2947

■ 0.0000, 0.0000,
0.0000

■ 37.6717, 48.5478,
61.4180

■ 37.6717, 48.5478,
61.4180

■ 35.3599, 47.3572,
61.3106

■ 40.5495, 50.0325,
61.5540

■ 33.5728, 46.4359,
61.2267

■ 44.0226, 51.8229,
61.7169

■ 32.2707, 45.7646,
61.1654


■ 48.1233, 53.9369,
61.9091


■ 31.4060, 45.3189,
61.1247


■ 52.8804, 56.3893,
62.1320


■ 30.9219, 45.0693,
61.1017


■ 58.3210, 59.1940,
62.3869

 30.7329, 44.9719,
61.0927

 64.4705, 62.3642,
62.6750

 71.3533, 65.9124,
62.9974

 71.9736, 66.2322,
63.0267

 71.9737, 66.2322,
63.0270

Harmonies

Analogous

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



37.4908, 48.5478, 47.1623



37.6717, 48.5478, 61.4180



40.0183, 48.5478, 75.4931

Triad

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



37.6717, 48.5478, 61.4180



53.4862, 48.5478, 73.4532



48.2399, 48.5478, 30.5325

Complementary

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



37.6717, 48.5478, 61.4180



32.6095, 25.3932, 19.1041

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.



52.8632, 48.5478, 35.2740



37.6717, 48.5478, 61.4180



56.0340, 48.5478, 58.9997

Square

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



37.6717, 48.5478, 61.4180



49.0418, 48.5478, 83.2470



55.7981, 48.5478, 45.1369



43.3611, 48.5478, 30.9465

Rectangle

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



37.6717, 48.5478, 61.4180



42.5963, 48.5478, 82.1206



55.7981, 48.5478, 45.1369



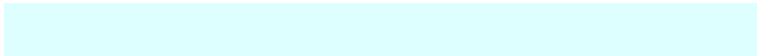
49.8818, 48.5478, 31.5352

Sweetspot

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



37.6731, 48.5497, 61.4191



83.8881, 94.2459, 108.3770



30.5874, 45.7369, 23.1368



17.5930, 19.9856, 23.1801



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.



37.6731, 48.5497, 61.4191



62.2596, 83.0960, 107.3628



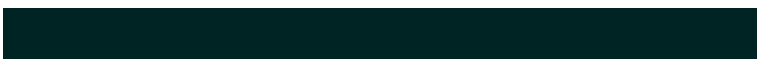
29.4624, 32.1279, 58.6834



10.9467, 12.0676, 13.6698



19.7612, 28.9168, 39.2825



0.9357, 1.3692, 1.8600

Inverse Universe

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



32.6095, 25.3932, 19.1041



52.2660, 37.3940, 23.8494



38.3274, 36.8293, 21.0095



10.6339, 10.6370, 11.0555



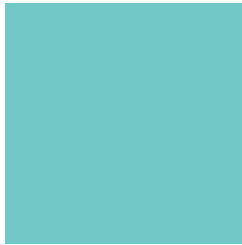
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 37.6717, 48.5478, 61.4180 looks on a white background.

Color Contrast Check

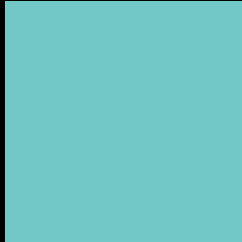
Large Text (above 18pt) WCAG AA × Fail

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 37.6717, 48.5478, 61.4180 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

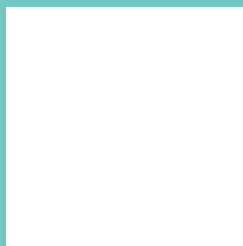
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6717, 48.5478, 61.4180

Background



This preview shows how black text looks on a background with the XYZ color 37.6717, 48.5478, 61.4180.



This preview shows how white text looks on a background with the XYZ color 37.6717, 48.5478,

61.4180.

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

37.6717, 48.5478, 61.4180

Protanopia

46.3685, 47.9802, 54.9613

Deuteranopia

48.8919, 47.8895, 63.1666



Tritanopia

39.4477, 48.5882, 70.2501

Trichromacy



Original Color

37.6717, 48.5478, 61.4180

Protanomaly

42.3204, 47.7190, 57.4322

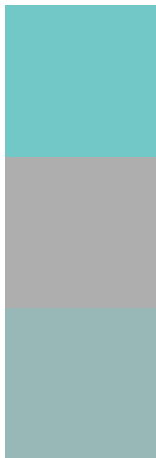
Deuteranomaly

43.5294, 47.2746, 62.7078

Tritanomaly

38.9154, 48.7241, 67.0282

Monochromacy



Original Color

37.6717, 48.5478, 61.4180

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.4296, 43.9613, 51.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6717, 48.5478, 61.4180 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(114, 199, 199)` looks like.

```
.text, #text, p{  
    color:rgb(114, 199, 199)  
}
```

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(114, 199, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 199, 199) }
```

Border

The CSS property to change the border of an element to XYZ 37.6717, 48.5478, 61.4180 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(114, 199, 199) }
```


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

```
.border{ border-color:rgb(114, 199, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 199, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 199, 199); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 199, 199); box-shadow:4px 4px 4px 4px rgb(114, 199, 199) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6717, 48.5478, 61.4180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 199, 199) }
```

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

```
.background{ background-color: rgb(114,  
199, 199) }
```

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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