

Converting Colors

XYZ(37.7986, 48.5824, 61.2683)

Have a look what the booklet for
XYZ(37.7986, 48.5824, 61.2683)
contains.

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Color

**XYZ(37.8025, 48.6152,
61.4241)**

Conversions

Conversions Part 1

Format	Color
Hex	73C7C7
RGB	115, 199, 199
RGB Percent	45%, 78%, 78%
CMY	0.5490, 0.2196, 0.2196
CMYK	0.42, 0.00, 0.00, 0.22
HSL	180°, 43%, 62%
HSV	180°, 42%, 78%
XYZ	37.8025, 48.6152, 61.4241
YIQ	173.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

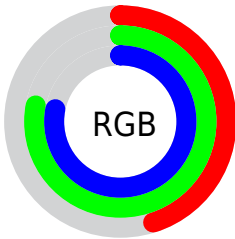
Format	Color
RYB	115, 157, 199
Decimal	7587783
CIELab	75.21, -25.45, -7.99
CIElCh	75, 26.675, 197.440
Yxy	48.6152, 0.2557, 0.3288
Android (android.graphics.Color)	4285777863 (0xFF73C7C7)
YUV	173.8840, 12.3822, -51.6413
Hunter-Lab	69.7246, -25.2409, -3.4245

Details

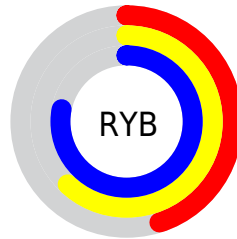
The XYZ color **37.8025, 48.6152, 61.4241** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.7802, 25.6429, 19.4434**, and the grayscale version is **40.1307, 42.2206, 45.9783**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **16.9812, 23.1947, 30.3701** is the 20% darker color. If you saturate the color by 10%, you get **35.4632, 47.4104, 61.3154**, and if you desaturate by 10%, it is **40.7095, 50.1150, 61.5615**.

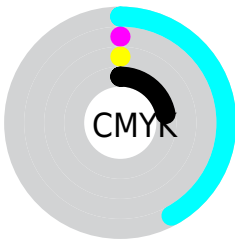
Distribution



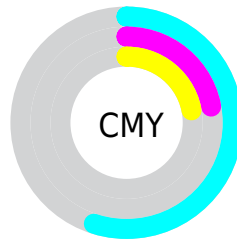
- Red (45%)
- Green (78%)
- Blue (78%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8025, 48.6152, 61.4241 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 37.8025, 48.6152, 61.4241 by changing the saturation by 10% instead.

■ 37.8025, 48.6152,
61.4241

■ 37.8025, 48.6152,
61.4241

328.0675,
381.2255, 447.7768

■ 26.0060, 34.3143,
44.1347

■ 71.1112, 88.1197,
108.4563

■ 16.9608, 23.1352,
30.4385

■ 93.3540, 114.0921,
139.0362

■ 10.3017, 14.6934,
19.9168

■ 119.8097,
144.7238, 174.8833

■ 5.6632, 8.6045,
12.1511

150.8435,
180.3991, 216.4162

■ 2.6801, 4.4841,
6.7229

186.8208,
221.5026, 264.0535

■ 0.9869, 1.9479,
3.2136

228.1070,

■ 0.0000, 0.5769,

268.4186, 318.2137

1.2047

275.0675,
321.5314, 379.3153

■ 0.0000, 0.0000,
0.0000

■ 37.8025, 48.6152,
61.4241

■ 37.8025, 48.6152,
61.4241

■ 35.4632, 47.4104,
61.3154

■ 40.7095, 50.1150,
61.5615

■ 33.6506, 46.4760,
61.2303

■ 44.2134, 51.9213,
61.7258

■ 32.3252, 45.7927,
61.1680

■ 48.3464, 54.0519,
61.9195

■ 31.4398, 45.3363,
61.1263

■ 53.1373, 56.5217,
62.1440

■ 30.9382, 45.0777,
61.1025

■ 58.6129, 59.3445,
62.4005

■ 30.7328, 44.9719,
61.0927

■ 64.7987, 62.5334,
62.6903

■ 71.7189, 66.1008,
63.0144

■ 71.9736, 66.2322,
63.0266

■ 71.9737, 66.2322,
63.0269

Harmonies

Analogous

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



37.6215, 48.6152, 47.2894



37.8025, 48.6152, 61.4241



40.1333, 48.6152, 75.3564

Triad

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



37.8025, 48.6152, 61.4241



53.4870, 48.6152, 73.3226



48.2829, 48.6152, 30.7546

Complementary

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



37.8025, 48.6152, 61.4241



32.7802, 25.6429, 19.4434

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.



52.8652, 48.6152, 35.4687



37.8025, 48.6152, 61.4241



56.0091, 48.6152, 59.0101

Square

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



37.8025, 48.6152, 61.4241



49.0839, 48.6152, 83.0149



55.7737, 48.6152, 45.2641



43.4453, 48.6152, 31.1698

Rectangle

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



37.8025, 48.6152, 61.4241



42.6920, 48.6152, 81.9090



55.7737, 48.6152, 45.2641



49.9104, 48.6152, 31.7515

Sweetspot

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



37.8039, 48.6171, 61.4252



83.8881, 94.2459, 108.3770



30.7753, 45.8271, 23.4444



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.



37.8039, 48.6171, 61.4252



62.2597, 83.0960, 107.3629



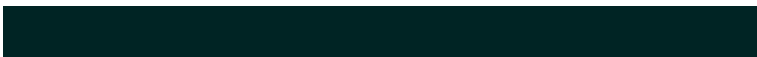
29.6758, 32.3605, 58.7170



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.



32.7802, 25.6429, 19.4434



52.2660, 37.3940, 23.8494



38.4709, 37.0246, 21.3397



10.6339, 10.6370, 11.0555



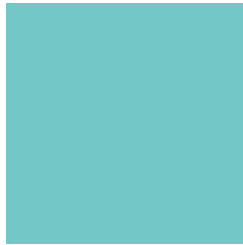
15.1453, 7.8077, 0.7089



0.7171, 0.3697, 0.0336

Previews

White Background



This preview shows how the XYZ color 37.8025, 48.6152, 61.4241 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 37.8025, 48.6152, 61.4241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

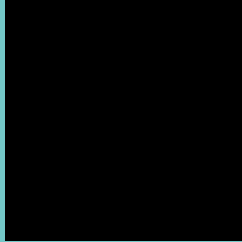
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8025, 48.6152, 61.4241

Background



This preview shows how black text looks on a background with the XYZ color 37.8025, 48.6152, 61.4241.



This preview shows how white text looks on a background with the XYZ color 37.8025, 48.6152,

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

37.8025, 48.6152, 61.4241

Protanopia

46.4775, 48.0238, 55.5351

Deuteranopia

48.8919, 47.8895, 63.1666



Tritanopia

39.5842, 48.6585, 70.2565

Trichromacy



Original Color

37.8025, 48.6152, 61.4241

Protanomaly

42.3204, 47.7190, 57.4322

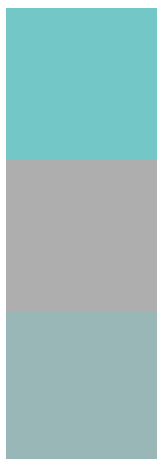
Deuteranomaly

43.7366, 47.3814, 62.7175

Tritanomaly

39.0505, 48.7938, 67.0345

Monochromacy



Original Color

37.8025, 48.6152, 61.4241

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

38.6176, 44.0582, 51.2685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8025, 48.6152, 61.4241 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, 199)` looks like.

```
.text, #text, p{  
    color:rgb(115, 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(115, 199, 199) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 37.8025, 48.6152, 61.4241 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, 199) }
```


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

```
.border{ border-color:rgb(115, 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(115, 199, 199)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 37.8025, 48.6152, 61.4241 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, 199) }
```

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

```
.background{ background-color: rgb(115,  
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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