

Converting Colors

XYZ(37.7411, 48.2781, 62.0869)

Have a look what the booklet for
XYZ(37.7411, 48.2781, 62.0869)
contains.

XYZ(37.6896, 48.2031, 61.9613)	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(37.6896, 48.2031,
61.9613)**

Conversions

Conversions Part 1

Format	Color
Hex	73C6C8
RGB	115, 198, 200
RGB Percent	45%, 78%, 78%
CMY	0.5490, 0.2235, 0.2157
CMYK	0.42, 0.01, 0.00, 0.22
HSL	181°, 44%, 62%
HSV	181°, 42%, 78%
XYZ	37.6896, 48.2031, 61.9613
YIQ	173.4110, -50.1100, -16.9740

Conversions

Conversions Part 2

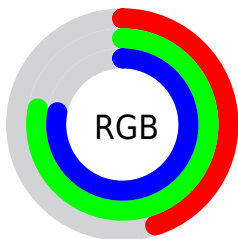
Format	Color
RYB	115, 157, 200
Decimal	7587528
CIELab	74.95, -24.70, -8.92
CIELCh	75, 26.263, 199.857
Yxy	48.2031, 0.2549, 0.3260
Android (android.graphics.Color)	4285777608 (0xFF73C6C8)
YUV	173.4110, 13.1084, -51.2264
Hunter-Lab	69.4285, -24.6001, -4.3133

Details

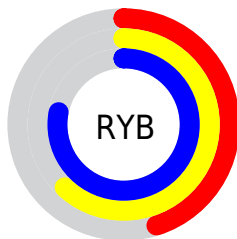
The XYZ color **37.6896, 48.2031, 61.9613** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.2760, 26.2404, 19.5318**, and the grayscale version is **39.8849, 41.9620, 45.6966**.

A 20% lighter version of the original color is **70.6046, 87.3979, 107.7560**, and **16.9065, 22.9214, 30.7273** is the 20% darker color. If you saturate the color by 10%, you get **35.2327, 46.7784, 61.8166**, and if you desaturate by 10%, it is **40.7202, 49.9264, 62.1350**.

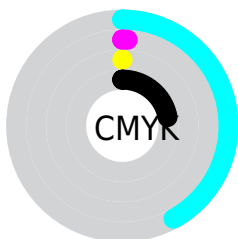
Distribution



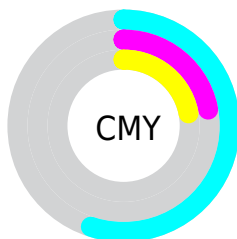
- Red (45%)
- Green (78%)
- Blue (78%)



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



- Cyan (42%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6896, 48.2031, 61.9613 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 37.6896, 48.2031, 61.9613 by changing the saturation by 10% instead.

■ 37.6896, 48.2031,
61.9613

■ 37.6896, 48.2031,
61.9613

327.5905,
379.5966, 449.7937

■ 25.9180, 33.9878,
44.5658

■ 70.9391, 87.5067,
109.2407

■ 16.8947, 22.8842,
30.7751

■ 93.1477, 113.3638,
139.9616

■ 10.2542, 14.5080,
20.1707

■ 119.5660,
143.8702, 175.9615

■ 5.6314, 8.4748,
12.3338

150.5593,
179.4104, 217.6589

■ 2.6608, 4.4003,
6.8462

186.4931,
220.3687, 265.4722

■ 0.9770, 1.8999,
3.2891

227.7327,

■ 0.0000, 0.5483,

267.1296, 319.8201

1.2441

274.6433,
320.0774, 381.1211

■ 0.0000, 0.0000,
0.0153

■ 0.0000, 0.0000,
0.0000

■ 37.6896, 48.2031,
61.9613

■ 37.6896, 48.2031,
61.9613

■ 35.2327, 46.7784,
61.8166

■ 40.7202, 49.9264,
62.1350

■ 33.3080, 45.6273,
61.6959


■ 44.3542, 51.9601,
62.3360


■ 31.8752, 44.7304,
61.5983


■ 48.6243, 54.3221,
62.5669


■ 30.8864, 44.0629,
61.5216


■ 53.5596, 57.0277,
62.8290


 30.2842, 43.5951,
61.4630


 59.1874, 60.0907,
63.1236

 30.0079, 43.3350,
61.4274

 65.5336, 63.5245,
63.4519

 72.6208, 67.3409,
63.8150

 72.7308, 67.5608,
63.8517

 72.8411, 67.7815,
63.8884

Harmonies

Analogous

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



37.3364, 48.2031, 47.9766



37.6896, 48.2031, 61.9613



40.1321, 48.2031, 75.3340

Triad

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



37.6896, 48.2031, 61.9613



53.2209, 48.2031, 71.3874



47.4564, 48.2031, 30.5713

Complementary

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



37.6896, 48.2031, 61.9613



33.2760, 26.2404, 19.5318

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.



52.0118, 48.2031, 34.7974



37.6896, 48.2031, 61.9613



55.4902, 48.2031, 57.2673

Square

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



37.6896, 48.2031, 61.9613



49.0149, 48.2031, 81.3991



55.0329, 48.2031, 44.0277



42.7587, 48.2031, 31.3845

Rectangle

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



37.6896, 48.2031, 61.9613



42.7174, 48.2031, 81.3387



55.0329, 48.2031, 44.0277



49.0601, 48.2031, 31.4165

Sweetspot

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



37.6910, 48.2050, 61.9624



83.6402, 93.7497, 108.2949



30.9022, 46.2250, 23.9450



17.5309, 19.8614, 23.1596



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.



37.6910, 48.2050, 61.9624



61.2926, 81.1612, 107.0430



29.3990, 31.6210, 59.1984



10.9245, 12.0231, 13.6624



19.0896, 27.5731, 39.0604



0.9108, 1.3194, 1.8518

Inverse Universe

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



40.1444, 28.6192, 56.8363



66.1289, 42.9392, 96.8508



39.2987, 38.2859, 21.5393



11.0719, 10.8122, 13.3621



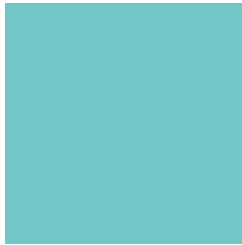
21.4349, 10.3235, 33.8295



1.0184, 0.4902, 1.6202

Previews

White Background



This preview shows how the XYZ color 37.6896, 48.2031, 61.9613 looks on a white background.

Color Contrast Check

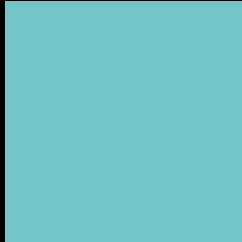
Large Text (above 18pt) WCAG AA × Fail

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 37.6896, 48.2031, 61.9613 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

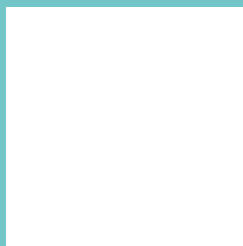
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.6896, 48.2031, 61.9613

Background



This preview shows how black text looks on a background with the XYZ color 37.6896, 48.2031, 61.9613.



This preview shows how white text looks on a background with the XYZ color 37.6896, 48.2031,

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

37.6896, 48.2031, 61.9613

Protanopia

46.3450, 47.9428, 56.1015

Deuteranopia

48.7574, 47.8063, 63.7845



Tritanopia

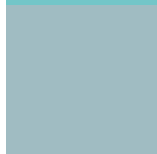
39.0948, 48.0849, 69.5081

Trichromacy



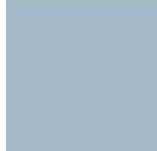
Original Color

37.6896, 48.2031, 61.9613



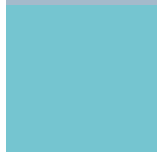
Protanomaly

42.2180, 47.3351, 57.9504



Deuteranomaly

43.6482, 47.3221, 63.3335



Tritanomaly

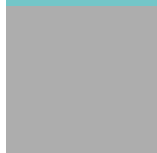
38.6875, 48.2685, 66.9522

Monochromacy



Original Color

37.6896, 48.2031, 61.9613



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

38.2241, 43.5502, 51.1911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6896, 48.2031, 61.9613 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, 198, 200)` looks like.

```
.text, #text, p{  
    color:rgb(115, 198, 200)  
}
```

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, 198, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 198, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.6896, 48.2031, 61.9613 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, 198, 200) }
```


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

```
.border{ border-color:rgb(115, 198, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 198, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 198, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 198, 200);  
box-shadow:4px 4px 4px 4px rgb(115, 198,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6896, 48.2031, 61.9613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 198, 200) }
```

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

```
.background{ background-color: rgb(115,  
198, 200) }
```

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