

Converting Colors

XYZ(37.4126, 59.7930, 75.1867)

Have a look what the booklet for
XYZ(37.4126, 59.7930, 75.1867)
contains.

XYZ(40.8212, 61.6034, 75.3848)	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(40.8212, 61.6034,
75.3848)**

Conversions

Conversions Part 1

Format	Color
Hex	00E6D9
RGB	0, 230, 217
RGB Percent	0%, 90%, 85%
CMY	0.9998, 0.0980, 0.1490
CMYK	1.00, 0.00, 0.06, 0.10
HSL	177°, 100%, 45%
HSV	177°, 100%, 90%
XYZ	40.8212, 61.6034, 75.3848
YIQ	159.7480, -132.9070, -52.8030

Conversions

Conversions Part 2

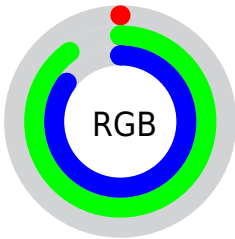
Format	Color
RYB	0, 118, 230
Decimal	59097
CIELab	82.70, -48.20, -6.76
CIELCh	83, 48.670, 187.978
Yxy	61.6034, 0.2296, 0.3465
Android (android.graphics.Color)	4278249177 (0xFF00E6D9)
YUV	159.7480, 28.2252, -140.0990
Hunter-Lab	78.4878, -44.5166, -2.0045

Details

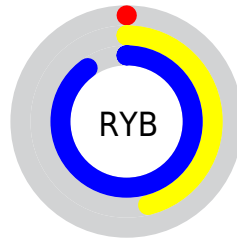
The XYZ color **40.8212, 61.6034, 75.3848** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **32.7078, 16.8539, 1.9118**, and the grayscale version is **33.2235, 34.9537, 38.0646**.

A 20% lighter version of the original color is **60.6201, 82.2507, 107.2887**, and **21.4652, 32.4958, 39.3234** is the 20% darker color. If you saturate the color by 10%, you get **40.8220, 61.6052, 75.3842**, and if you desaturate by 10%, it is **41.3468, 61.8561, 76.2974**.

Distribution



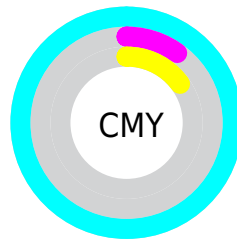
- Red (0%)
- Green (90%)
- Blue (85%)



- Red (0%)
- Yellow (46%)
- Blue (90%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (10%)



- Cyan (100%)
- Magenta (10%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8212, 61.6034, 75.3848 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 40.8212, 61.6034, 75.3848 by changing the saturation by 10% instead.

40.8212, 61.6034,
75.3848

40.8212, 61.6034,
75.3848

340.6481,
430.4830, 498.5298

28.3665, 44.7123,
55.4246

75.6888, 107.1521,
128.6090

18.7439, 31.2309,
39.3408

98.8324, 136.5786,
162.7101

11.5883, 20.7747,
26.7151

126.2696,
170.9522, 202.3618

6.5342, 12.9594,
17.1288

158.3659,
210.6575, 247.9828

3.2163, 7.4006,
10.1635

195.4865,
256.0789, 299.9915

1.2691, 3.7139,
5.4005

237.9969,

0.1599, 1.5148,

307.6006, 358.8066

2.4213

286.2623,
365.6072, 424.8465

■ 0.0000, 0.2991,
0.7980

■ 0.0000, 0.0000,
0.0000

■ 40.8212, 61.6034,
75.3848

■ 40.8212, 61.6034,
75.3848

■ 40.8220, 61.6052,
75.3842

■ 41.3468, 61.8561,
76.2974

■ 42.2925, 62.3239,
77.2352

■ 43.7940, 63.0780,
78.2060

■ 45.9288, 64.1584,
79.2135

■ 48.7624, 65.5990,
80.2607

■ 52.3519, 67.4290,
81.3503

■ 56.7485, 69.6750,
82.4847

■ 61.9992, 72.3611,
83.6662

■ 68.1471, 75.5096,
84.8967

Harmonies

Analogous

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



41.8292, 61.6034, 47.7281



40.8212, 61.6034, 75.3848



44.0979, 61.6034, 109.0882

Triad

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



40.8212, 61.6034, 75.3848



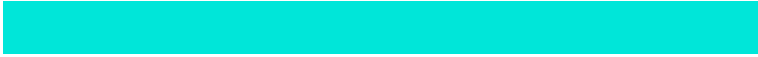
71.8088, 61.6034, 123.4343



66.4147, 61.6034, 26.6192

Complementary

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



40.8212, 61.6034, 75.3848



32.7078, 16.8539, 1.9118

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.



75.8631, 61.6034, 37.5283



40.8212, 61.6034, 75.3848



79.2265, 61.6034, 91.0513

Square

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



40.8212, 61.6034, 75.3848



61.3858, 61.6034, 141.7349



80.7923, 61.6034, 59.4006



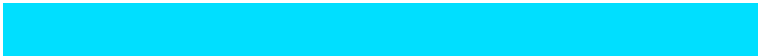
55.8071, 61.6034, 24.7006

Rectangle

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



40.8212, 61.6034, 75.3848



48.5303, 61.6034, 128.6574



80.7923, 61.6034, 59.4006



69.8667, 61.6034, 29.1571

Sweetspot

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



40.8230, 61.6057, 75.3863



71.5964, 87.9888, 104.2081



28.5013, 56.7004, 9.4436



14.7947, 18.5624, 22.1733



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.



40.8230, 61.6057, 75.3863



51.5748, 77.8459, 95.1996



22.3144, 21.7743, 77.8922



14.7704, 16.3216, 18.3217



23.1260, 34.8825, 42.7592



1.7197, 2.5820, 3.2167

Inverse Universe

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



32.7078, 16.8539, 1.9118



41.3221, 21.2929, 2.3625



37.1627, 25.8801, 3.0382



14.4099, 14.3811, 15.0928



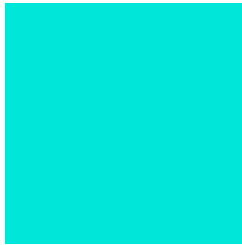
18.5303, 9.5464, 1.1558



1.3810, 0.7101, 0.1471

Previews

White Background



This preview shows how the XYZ color 40.8212, 61.6034, 75.3848 looks on a white background.

Color Contrast Check

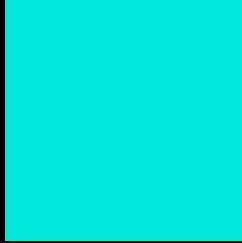
Large Text (above 18pt) WCAG AA × Fail

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 40.8212, 61.6034, 75.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

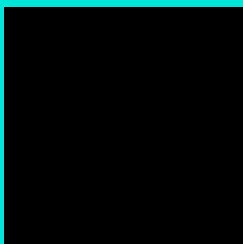
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

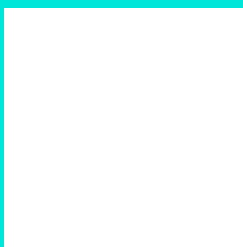
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.8212, 61.6034, 75.3848

Background



This preview shows how black text looks on a background with the XYZ color 40.8212, 61.6034, 75.3848.

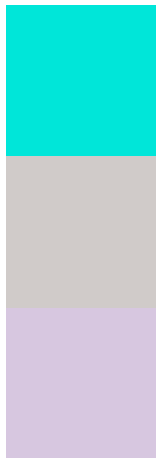


This preview shows how white text looks on a background with the XYZ color 40.8212, 61.6034,

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

40.8212, 61.6034, 75.3848

Protanopia

57.9110, 60.3388, 63.8527

Deuteranopia

61.9023, 60.6757, 78.9700



Tritanopia

44.9417, 61.6544, 95.1198

Trichromacy



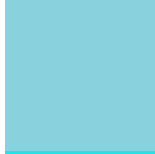
Original Color

40.8212, 61.6034, 75.3848



Protanomaly

44.5725, 56.9990, 67.6842



Deuteranomaly

46.4143, 56.6320, 76.8914



Tritanomaly

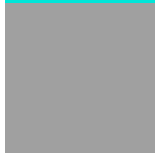
42.9476, 61.2020, 87.3915

Monochromacy



Original Color

40.8212, 61.6034, 75.3848



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.1689, 40.8589, 49.9598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8212, 61.6034, 75.3848 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(0, 230, 217)` looks like.

```
.text, #text, p{  
    color:rgb(0, 230, 217)  
}
```

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(0, 230, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 230, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.8212, 61.6034, 75.3848 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(0, 230, 217) }
```


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

```
.border{ border-color:rgb(0, 230, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 230, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 230, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 230, 217);  
box-shadow:4px 4px 4px 4px rgb(0, 230,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8212, 61.6034, 75.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 230, 217) }
```

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

```
.background{ background-color: rgb(0, 230,  
217) }
```

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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