

Converting Colors

XYZ(40.1481, 60.3020, 61.7986)

Have a look what the booklet for
XYZ(40.1481, 60.3020, 61.7986)
contains.

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Color

**XYZ(40.1805, 60.3402,
61.7536)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 49E3C4 |
| RGB | 73, 227, 196 |
| RGB Percent | 29%, 89%, 77% |
| CMY | 0.7137, 0.1098, 0.2314 |
| CMYK | 0.68, 0.00, 0.14, 0.11 |
| HSL | 168°, 73%, 59% |
| HSV | 168°, 68%, 89% |
| XYZ | 40.1805, 60.3402, 61.7536 |
| YIQ | 177.4200, -81.8330, -42.2890 |

Conversions

Conversions Part 2

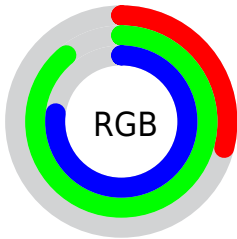
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 73, 159, 227 |
| Decimal | 4842436 |
| CIELab | 82.02, -47.25, 3.45 |
| CIELCh | 82, 47.381, 175.819 |
| Yxy | 60.3402, 0.2476, 0.3718 |
| Android (android.graphics.Color) | 4283032516 (0xFF49E3C4) |
| YUV | 177.4200, 9.1599, -91.5763 |
| Hunter-Lab | 77.6790, -43.6066, 7.2406 |

Details

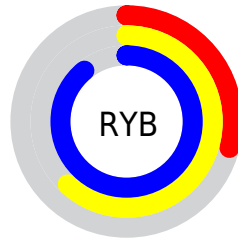
The XYZ color **40.1805, 60.3402, 61.7536** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **36.5618, 22.0970, 15.4369**, and the grayscale version is **41.9966, 44.1837, 48.1161**.

A 20% lighter version of the original color is **64.1371, 84.1008, 105.7812**, and **19.4454, 31.0788, 30.5651** is the 20% darker color. If you saturate the color by 10%, you get **38.2522, 59.4068, 58.9903**, and if you desaturate by 10%, it is **42.7554, 61.6080, 64.6326**.

Distribution



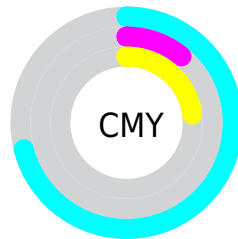
- Red (29%)
- Green (89%)
- Blue (77%)



- Red (29%)
- Yellow (62%)
- Blue (89%)



- Cyan (68%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)



- Cyan (71%)
- Magenta (11%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1805, 60.3402, 61.7536 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 40.1805, 60.3402, 61.7536 by changing the saturation by 10% instead.

40.1805, 60.3402,
61.7536

40.1805, 60.3402,
61.7536

338.0052,
425.8506, 449.0146

27.8641, 43.6929,
44.3991

74.7209, 105.3230,
108.9375

18.3632, 30.4292,
30.6449

97.6756, 134.4273,
139.6040

11.3123, 20.1646,
20.0724

124.9072,
168.4528, 175.5449

6.3462, 12.5147,
12.2631

156.7810,
207.7837, 217.1787

3.0993, 7.0952,
6.7984

193.6623,
252.8046, 264.9241

1.2065, 3.5217,
3.2598

235.9165,

0.1115, 1.4098,

303.8997, 319.1995

1.2288

283.9090,
361.4536, 380.4235

■ 0.0000, 0.2239,
0.0023

■ 0.0000, 0.0000,
0.0000

■ 40.1805, 60.3402,
61.7536

■ 40.1805, 60.3402,
61.7536

■ 38.2522, 59.4068,
58.9903

■ 42.7554, 61.6080,
64.6326

■ 36.8931, 58.7635,
56.3342


■ 46.0332, 63.2349,
67.6266


■ 36.0052, 58.3614,
53.7815


■ 50.0697, 65.2511,
70.7402


■ 35.8419, 58.2890,
53.2419


■ 54.9138, 67.6817,
73.9765

 60.6100, 70.5497,
77.3382

 67.1997, 73.8764,
80.8279

 74.7214, 77.6817,
84.4482

 83.2116, 81.9843,
88.2013

 84.0153, 82.3223,
91.6829

Harmonies

Analogous

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



42.8249, 60.3402, 39.2891



40.1805, 60.3402, 61.7536



41.6776, 60.3402, 92.8250

Triad

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



40.1805, 60.3402, 61.7536



66.1720, 60.3402, 129.0504



68.8885, 60.3402, 29.7697

Complementary

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



40.1805, 60.3402, 61.7536



36.5618, 22.0970, 15.4369

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.



76.5320, 60.3402, 44.4527



40.1805, 60.3402, 61.7536



74.8397, 60.3402, 101.8904

Square

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



40.1805, 60.3402, 61.7536



55.9564, 60.3402, 137.6561



78.8270, 60.3402, 69.8115



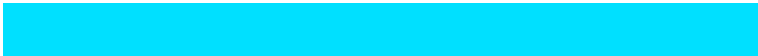
58.7697, 60.3402, 24.5628

Rectangle

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



40.1805, 60.3402, 61.7536



44.9284, 60.3402, 113.8291



78.8270, 60.3402, 69.8115



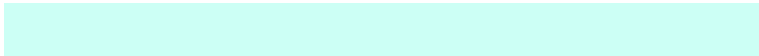
71.8765, 60.3402, 33.5058

Sweetspot

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



40.1822, 60.3425, 61.7550



77.1025, 90.9336, 99.6608



34.6611, 58.5084, 15.7707



16.0453, 19.2329, 21.0652



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.



40.1822, 60.3425, 61.7550



49.0637, 76.9847, 75.5032



33.6238, 40.9832, 78.8142



14.6766, 16.2841, 17.8276



20.9451, 34.0102, 31.2750



1.5794, 2.5259, 2.4778

Inverse Universe

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



36.5618, 22.0970, 15.4369



44.1623, 24.1496, 12.0136



39.2018, 29.4511, 9.9228



14.4950, 14.4152, 15.5413



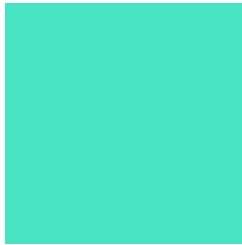
18.7925, 9.6512, 2.5362



1.4215, 0.7263, 0.3601

Previews

White Background



This preview shows how the XYZ color 40.1805, 60.3402, 61.7536 looks on a white background.

Color Contrast Check

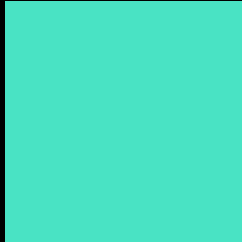
Large Text (above 18pt) WCAG AA × Fail

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 40.1805, 60.3402, 61.7536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

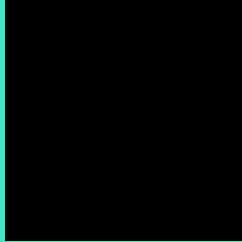
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

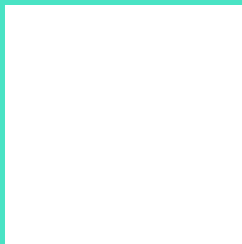
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 40.1805, 60.3402, 61.7536

Background



This preview shows how black text looks on a background with the XYZ color 40.1805, 60.3402, 61.7536.

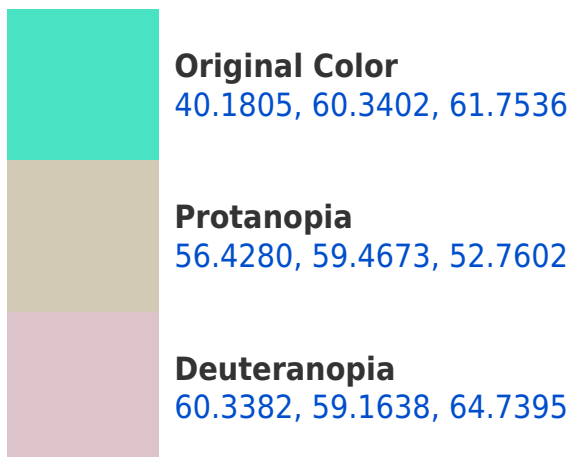


This preview shows how white text looks on a background with the XYZ color 40.1805, 60.3402,

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





Tritanopia

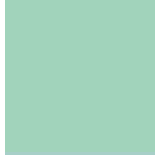
45.9506, 60.2721, 90.8732

Trichromacy



Original Color

40.1805, 60.3402, 61.7536



Protanomaly

46.9618, 57.7535, 55.6861



Deuteranomaly

48.6745, 57.0113, 63.0824



Tritanomaly

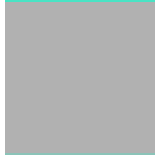
43.5447, 60.0815, 79.1139

Monochromacy



Original Color

40.1805, 60.3402, 61.7536



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

38.8143, 47.9799, 52.5627

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.1805, 60.3402, 61.7536 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(73, 227, 196)` looks like.

```
.text, #text, p{  
    color:rgb(73, 227, 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(73, 227, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 227, 196) }
```

Border

The CSS property to change the border of an element to XYZ 40.1805, 60.3402, 61.7536 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(73, 227, 196) }
```


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

```
.border{ border-color:rgb(73, 227, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 227, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 227, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 227, 196);  
box-shadow:4px 4px 4px 4px rgb(73, 227,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 40.1805, 60.3402, 61.7536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 227, 196) }
```

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

```
.background{ background-color: rgb(73, 227,  
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](#).

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