

Converting Colors

XYZ(40.0279, 60.5766, 46.6086)

Have a look what the booklet for
XYZ(40.0279, 60.5766, 46.6086)
contains.

XYZ(40.0165, 60.5901, 46.6318)	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(40.0165, 60.5901,
46.6318)**

Conversions

Conversions Part 1

Format	Color
Hex	66E3A8
RGB	102, 227, 168
RGB Percent	40%, 89%, 66%
CMY	0.6000, 0.1098, 0.3412
CMYK	0.55, 0.00, 0.26, 0.11
HSL	152°, 69%, 65%
HSV	152°, 55%, 89%
XYZ	40.0165, 60.5901, 46.6318
YIQ	182.8990, -55.5610, -44.8490

Conversions

Conversions Part 2

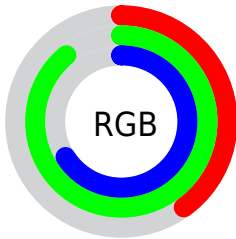
Format	Color
RYB	102, 184, 227
Decimal	6742952
CIELab	82.16, -48.35, 18.48
CIElCh	82, 51.761, 159.079
Yxy	60.5901, 0.2718, 0.4115
Android (android.graphics.Color)	4284933032 (0xFF66E3A8)
YUV	182.8990, -7.3452, -70.9484
Hunter-Lab	77.8396, -44.4545, 18.9686

Details

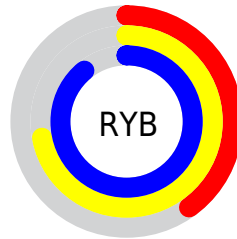
The XYZ color **40.0165, 60.5901, 46.6318** is a light color, and the websafe version is hex **33CC99**. A complement of this color would be **42.8650, 28.4083, 36.9447**, and the grayscale version is **45.0166, 47.3610, 51.5761**.

A 20% lighter version of the original color is **63.7772, 84.4248, 82.7462**, and **18.3425, 30.7101, 21.4839** is the 20% darker color. If you saturate the color by 10%, you get **36.8302, 59.0598, 41.4856**, and if you desaturate by 10%, it is **43.9925, 62.5213, 52.2471**.

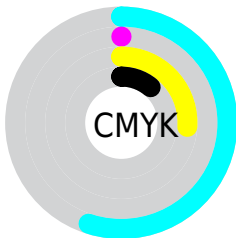
Distribution



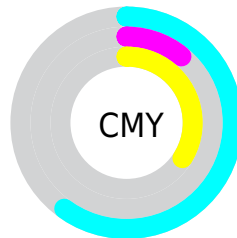
- Red (40%)
- Green (89%)
- Blue (66%)



- Red (40%)
- Yellow (72%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (26%)
- Black (11%)





- Cyan (60%)
- Magenta (11%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0165, 60.5901, 46.6318 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 40.0165, 60.5901, 46.6318 by changing the saturation by 10% instead.


 40.0165, 60.5901,
46.6318


 40.0165, 60.5901,
46.6318

337.3263,
426.7695, 389.6940

 27.7357, 43.8944,
32.3924


 74.4728, 105.6852,
86.5080


 18.2659, 30.5875,
21.3941


 97.3790, 134.8535,
112.9818

 11.2419, 20.2850,
13.2183


 124.5577,
168.9480, 144.3709

 6.2983, 12.6024,
7.4466

 156.3743,
208.3533, 181.0938

 3.0697, 7.1553,
3.6603

193.1941,
253.4537, 223.5691

 1.1907, 3.5594,
1.4409

235.3825,

 0.0990, 1.4303,

304.6336, 272.2151

0.1733

283.3048,
362.2774, 327.4506

■ 0.0000, 0.2389,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.0165, 60.5901,
46.6318

■ 40.0165, 60.5901,
46.6318

■ 36.8302, 59.0598,
41.4856

■ 43.9925, 62.5213,
52.2471

■ 34.3679, 57.8917,
36.7910


■ 48.8077, 64.8737,
58.3397

■ 32.5604, 57.0523,
32.5356


■ 54.5128, 67.6750,
64.9230


■ 31.3217, 56.4972,
28.7041

■ 61.1533, 70.9484,
72.0084


 30.8516, 56.2929,
26.9629

 68.7712, 74.7153,
79.6068

 77.4061, 78.9959,
87.7291

 84.8888, 82.6718,
96.2821

 86.5549, 83.3382,
105.0559

 86.7602, 83.4203,
106.1367

Harmonies

Analogous

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



45.2662, 60.5901, 29.2558



40.0165, 60.5901, 46.6318



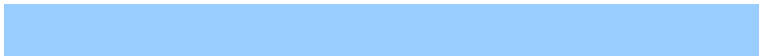
39.1375, 60.5901, 75.9921

Triad

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



40.0165, 60.5901, 46.6318



60.9890, 60.5901, 145.6166



75.6042, 60.5901, 34.6978

Complementary

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



40.0165, 60.5901, 46.6318



42.8650, 28.4083, 36.9447

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.



81.0834, 60.5901, 56.8744



40.0165, 60.5901, 46.6318



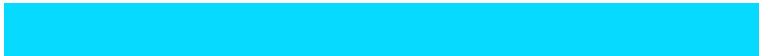
71.9670, 60.5901, 125.0020

Square

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



40.0165, 60.5901, 46.6318



50.3666, 60.5901, 140.2052



79.6738, 60.5901, 90.0342



65.4710, 60.5901, 24.0455

Rectangle

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



40.0165, 60.5901, 46.6318



41.0217, 60.5901, 99.9814



79.6738, 60.5901, 90.0342



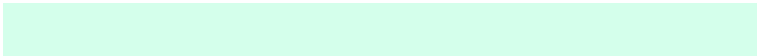
78.1065, 60.5901, 40.7093

Sweetspot

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



40.0181, 60.5925, 46.6332



77.7393, 91.4366, 91.7997



44.8544, 63.6252, 22.4881



16.2549, 19.3815, 19.2442



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.



40.0181, 60.5925, 46.6332



47.4556, 76.6490, 53.1402



46.2493, 62.1788, 82.2400



14.5057, 16.2157, 16.9278



18.0515, 32.8527, 16.0374



1.3808, 2.4464, 1.4319

Inverse Universe

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



42.8650, 28.4083, 36.9447



51.5197, 30.7862, 39.3705



39.0373, 27.2090, 15.7656



14.6588, 14.4807, 16.4035



20.0853, 10.1683, 9.3439



1.5309, 0.7701, 0.9361

Previews

White Background



This preview shows how the XYZ color 40.0165, 60.5901, 46.6318 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 40.0165, 60.5901, 46.6318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

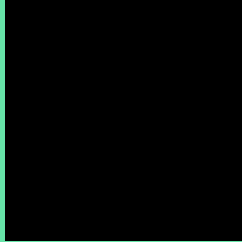
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0165, 60.5901, 46.6318

Background



This preview shows how black text looks on a background with the XYZ color 40.0165, 60.5901, 46.6318.



This preview shows how white text looks on a background with the XYZ color 40.0165, 60.5901,

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

40.0165, 60.5901, 46.6318

Protanopia

56.0570, 59.8979, 40.5052

Deuteranopia

60.5317, 59.2812, 48.8095



Tritanopia

48.2378, 60.3365, 88.4606

Trichromacy



Original Color

40.0165, 60.5901, 46.6318



Protanomaly

47.6557, 58.7741, 42.5510



Deuteranomaly

49.7668, 57.9185, 47.5861



Tritanomaly

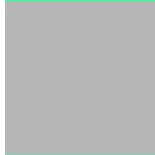
44.6846, 60.0609, 70.8658

Monochromacy



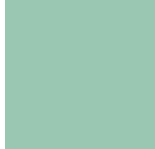
Original Color

40.0165, 60.5901, 46.6318



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

41.7857, 50.9312, 49.7478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0165, 60.5901, 46.6318 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(102, 227, 168)` looks like.

```
.text, #text, p{  
    color:rgb(102, 227, 168)  
}
```

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(102, 227, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 227, 168) }
```

Border

The CSS property to change the border of an element to XYZ 40.0165, 60.5901, 46.6318 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(102, 227, 168) }
```


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

```
.border{ border-color:rgb(102, 227, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 227, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 227, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 227, 168);  
box-shadow:4px 4px 4px 4px rgb(102, 227,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0165, 60.5901, 46.6318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 227, 168) }
```

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

```
.background{ background-color: rgb(102,  
227, 168) }
```

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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