

Converting Colors

XYZ(40.4322, 50.4788, 21.8239)

Have a look what the booklet for
XYZ(40.4322, 50.4788, 21.8239)
contains.

XYZ(40.3564, 50.4695, 21.8019)	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(40.3564, 50.4695,
21.8019)**

Conversions

Conversions Part 1

Format	Color
Hex	AEC66C
RGB	174, 198, 108
RGB Percent	68%, 78%, 42%
CMY	0.3176, 0.2235, 0.5765
CMYK	0.12, 0.00, 0.45, 0.22
HSL	76°, 44%, 60%
HSV	76°, 45%, 78%
XYZ	40.3564, 50.4695, 21.8019
YIQ	180.5640, 14.5860, -33.0780

Conversions

Conversions Part 2

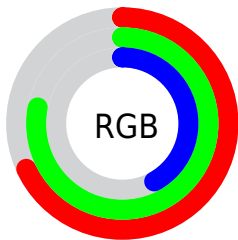
Format	Color
RYB	108, 198, 132
Decimal	11454060
CIELab	76.36, -22.28, 42.23
CIELCh	76, 47.749, 117.821
Yxy	50.4695, 0.3583, 0.4481
Android (android.graphics.Color)	4289644140 (0xFFAEC66C)
YUV	180.5640, -35.7741, -5.7566
Hunter-Lab	71.0419, -22.9237, 31.5339

Details

The XYZ color **40.3564, 50.4695, 21.8019** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **25.0732, 19.7092, 55.9117**, and the grayscale version is **43.8680, 46.1526, 50.2602**.

A 20% lighter version of the original color is **75.1480, 91.0821, 47.3381**, and **18.4827, 24.2451, 7.7086** is the 20% darker color. If you saturate the color by 10%, you get **38.2670, 49.5022, 16.8144**, and if you desaturate by 10%, it is **42.7339, 51.5609, 28.0540**.

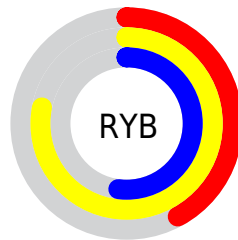
Distribution



Red (68%)

Green (78%)

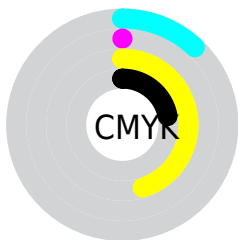
Blue (42%)



Red (42%)

Yellow (78%)

Blue (52%)

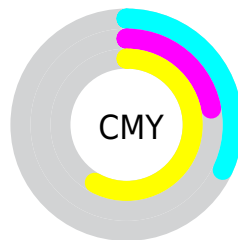


Cyan (12%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (32%)

Magenta (22%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3564, 50.4695, 21.8019 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 40.3564, 50.4695, 21.8019 by changing the saturation by 10% instead.

40.3564, 50.4695,
21.8019

40.3564, 50.4695,
21.8019

338.7322,
388.4991, 274.4297

28.0020, 35.7866,
13.5145

74.9868, 90.8701,
47.3163

18.4676, 24.2694,
7.6489

97.9935, 117.3566,
65.3805

11.3879, 15.5336,
3.7866

125.2817,
148.5464, 87.5406

6.3976, 9.1947,
1.5090

157.2167,
184.8240, 114.2152

3.1313, 4.8684,
0.2246

194.1639,
226.5736, 145.8229

1.2236, 2.1703,
0.0000

236.4887,

0.1248, 0.7037,

274.1798, 182.7821

0.0000

284.5563,
328.0268, 225.5116

■ 0.0000, 0.0000,
0.0000

■ 40.3564, 50.4695,
21.8019

■ 40.3564, 50.4695,
21.8019

■ 38.2670, 49.5022,
16.8144

■ 42.7339, 51.5609,
28.0540

■ 36.4450, 48.6454,
13.0020

■ 45.4112, 52.7758,
35.6460

■ 34.8726, 47.8937,
10.2682


■ 48.4036, 54.1222,
44.6507


■ 33.5280, 47.2383,
8.5003


■ 51.7244, 55.6056,
55.1352


■ 32.3841, 46.6682,
7.5595

■ 55.3860, 57.2308,
67.1620

 31.9065, 46.4278,
7.2798

 59.3999, 59.0025,
80.7901

 63.7774, 60.9254,
96.0753

 66.6374, 62.2471,
103.1105

 68.2253, 63.0657,
103.1848

Harmonies

Analogous

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



48.6291, 50.4695, 18.8775



40.3564, 50.4695, 21.8019



34.7931, 50.4695, 32.6059

Triad

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



40.3564, 50.4695, 21.8019



39.3517, 50.4695, 108.3110



67.3684, 50.4695, 56.8540

Complementary

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



40.3564, 50.4695, 21.8019



25.0732, 19.7092, 55.9117

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.



64.1127, 50.4695, 85.7083



40.3564, 50.4695, 21.8019



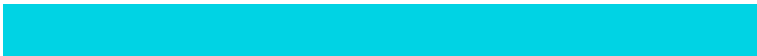
47.3164, 50.4695, 120.6321

Square

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



40.3564, 50.4695, 21.8019



34.2659, 50.4695, 81.4036



56.4850, 50.4695, 111.2930



64.9124, 50.4695, 34.9594

Rectangle

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



40.3564, 50.4695, 21.8019



32.9980, 50.4695, 45.1693



56.4850, 50.4695, 111.2930



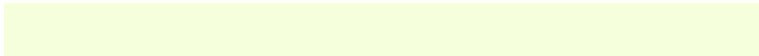
66.8979, 50.4695, 66.0557

Sweetspot

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



40.3576, 50.4718, 21.8030



86.4090, 96.1489, 81.2294



34.2485, 29.5925, 18.0949



18.2328, 20.4623, 16.5766



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.



40.3576, 50.4718, 21.8030



67.6322, 87.5949, 29.4872



31.9558, 46.1404, 21.4098



11.2373, 12.2693, 11.3387



20.8331, 30.2352, 4.7380



1.0524, 1.4656, 0.2274

Inverse Universe

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



25.0732, 19.7092, 55.9117



37.1304, 26.1150, 97.6915



33.6888, 24.1507, 56.3149



10.3176, 10.4220, 13.3853



7.6473, 3.1766, 34.9544



0.4331, 0.1870, 1.6584

Previews

White Background



This preview shows how the XYZ color 40.3564, 50.4695, 21.8019 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 40.3564, 50.4695, 21.8019 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 40.3564, 50.4695, 21.8019

Background



This preview shows how black text looks on a background with the XYZ color 40.3564, 50.4695, 21.8019.



This preview shows how white text looks on a background with the XYZ color 40.3564, 50.4695,

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

40.3564, 50.4695, 21.8019

Protanopia

46.2140, 50.2313, 20.3566

Deuteranopia

51.0396, 49.9040, 22.2716



Tritanopia

48.6807, 50.2440, 63.0094

Trichromacy



Original Color

40.3564, 50.4695, 21.8019

Protanomaly

43.9051, 50.3213, 20.7635

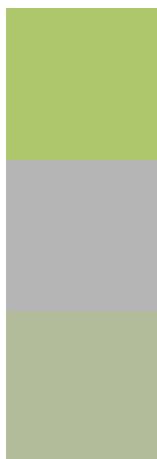
Deuteranomaly

46.4406, 49.6754, 22.1796

Tritanomaly

44.9901, 50.0338, 44.3321

Monochromacy



Original Color

40.3564, 50.4695, 21.8019

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

41.9632, 47.3387, 37.4974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.3564, 50.4695, 21.8019 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(174, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(174, 198, 108)  
}
```

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(174, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 198, 108) }
```

Border

The CSS property to change the border of an element to XYZ 40.3564, 50.4695, 21.8019 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(174, 198, 108) }
```


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

```
.border{ border-color:rgb(174, 198, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 198, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(174, 198,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 40.3564, 50.4695, 21.8019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 198, 108) }
```

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

```
.background{ background-color: rgb(174,  
198, 108) }
```

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