

Converting Colors

XYZ(40.9679, 48.5901, 20.6588)

Have a look what the booklet for
XYZ(40.9679, 48.5901, 20.6588)
contains.

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Color

**XYZ(40.9478, 48.4719,
20.5624)**

Conversions

Conversions Part 1

Format	Color
Hex	B8BF69
RGB	184, 191, 105
RGB Percent	72%, 75%, 41%
CMY	0.2784, 0.2510, 0.5882
CMYK	0.04, 0.00, 0.45, 0.25
HSL	65°, 40%, 58%
HSV	65°, 45%, 75%
XYZ	40.9478, 48.4719, 20.5624
YIQ	179.1030, 23.4340, -28.2300

Conversions

Conversions Part 2

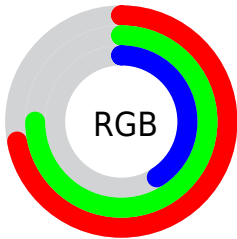
Format	Color
RYB	105, 191, 112
Decimal	12107625
CIELab	75.12, -15.13, 42.36
CIELCh	75, 44.983, 109.661
Yxy	48.4719, 0.3723, 0.4407
Android (android.graphics.Color)	4290297705 (0xFFB8BF69)
YUV	179.1030, -36.5328, 4.2947
Hunter-Lab	69.6218, -16.8539, 31.2243

Details

The XYZ color **40.9478, 48.4719, 20.5624** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1393, 17.3106, 51.5202**, and the grayscale version is **43.0837, 45.3274, 49.3615**.

A 20% lighter version of the original color is **75.7079, 87.6909, 45.2836**, and **18.8313, 23.1199, 7.0845** is the 20% darker color. If you saturate the color by 10%, you get **39.7042, 47.9334, 15.9428**, and if you desaturate by 10%, it is **42.4184, 49.1052, 26.3454**.

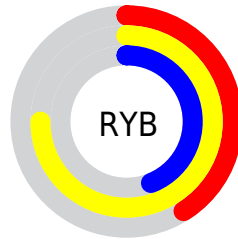
Distribution



Red (72%)

Green (75%)

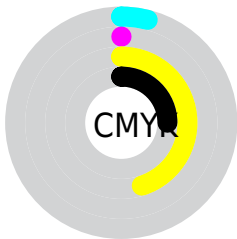
Blue (41%)



Red (41%)

Yellow (75%)

Blue (44%)

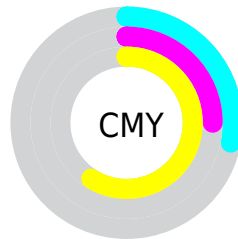


Cyan (4%)

Magenta (0%)

Yellow (45%)

Black (25%)



Cyan (28%)

Magenta (25%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9478, 48.4719, 20.5624 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 40.9478, 48.4719, 20.5624 by changing the saturation by 10% instead.

■ 40.9478, 48.4719,
20.5624

■ 40.9478, 48.4719,
20.5624

341.1687,
380.6596, 267.6479

■ 28.4658, 34.2007,
12.6164

■ 75.8799, 87.9066,
45.2294

■ 18.8193, 23.0479,
7.0373

■ 99.0606, 113.8389,
62.7875

■ 11.6430, 14.6288,
3.4066

■ 126.5383,
144.4271, 84.3866

■ 6.5716, 8.5593,
1.3058

■ 158.6783,
180.0555, 110.4454

■ 3.2396, 4.4549,
0.0666

195.8460,
221.1086, 141.3824

■ 1.2817, 1.9311,
0.0000

238.4068,

■ 0.1694, 0.5670,

267.9707, 177.6161

0.0000

286.7259,
321.0262, 219.5651

■ 0.0000, 0.0000,
0.0000

■ 40.9478, 48.4719,
20.5624

■ 40.9478, 48.4719,
20.5624

■ 39.7042, 47.9334,
15.9428

■ 42.4184, 49.1052,
26.3454

■ 38.6690, 47.4769,
12.4049

■ 44.1260, 49.8320,
33.3603

■ 37.8267, 47.0981,
9.8612


■ 46.0843, 50.6595,
41.6735


■ 37.1577, 46.7891,
8.2094


■ 48.3049, 51.5925,
51.3463

■ 36.6385, 46.5405,
7.3250


■ 50.7986, 52.6352,
62.4356

 36.4117, 46.4296,
7.0427

 53.5756, 53.7917,
74.9955

 56.6458, 55.0659,
89.0769

 59.5630, 56.2794,
102.3315

 59.9711, 56.4898,
102.3505

Harmonies

Analogous

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



48.9709, 48.4719, 19.5619



40.9478, 48.4719, 20.5624



35.0280, 48.4719, 28.5349

Triad

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



40.9478, 48.4719, 20.5624



36.5653, 48.4719, 95.4231



63.4641, 48.4719, 61.3394

Complementary

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



40.9478, 48.4719, 20.5624



21.1393, 17.3106, 51.5202

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.



59.2208, 48.4719, 87.8984



40.9478, 48.4719, 20.5624



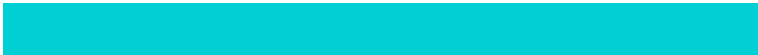
43.2881, 48.4719, 111.1181

Square

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



40.9478, 48.4719, 20.5624



32.7143, 48.4719, 69.5471



51.6048, 48.4719, 108.0151



62.6434, 48.4719, 38.9469

Rectangle

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



40.9478, 48.4719, 20.5624



32.7653, 48.4719, 38.5365



51.6048, 48.4719, 108.0151



62.5647, 48.4719, 70.1552

Sweetspot

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



40.9490, 48.4741, 20.5634



82.8350, 90.8537, 75.9359



29.6927, 23.4083, 16.3185



18.0111, 19.8753, 15.9062



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.9490, 48.4741, 20.5634



71.1413, 85.8593, 28.6773



32.3835, 44.0585, 20.1626



10.2435, 11.0799, 10.1754



23.9603, 30.5278, 4.6296



0.9614, 1.2076, 0.1824

Inverse Universe

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



21.1393, 17.3106, 51.5202



31.2432, 23.0568, 91.0828



27.7328, 20.7097, 51.8288



9.0866, 9.2615, 11.9809



6.3443, 2.5567, 32.5520



0.2733, 0.1129, 1.2762

Previews

White Background



This preview shows how the XYZ color 40.9478, 48.4719, 20.5624 looks on a white background.

Color Contrast Check

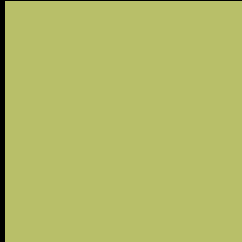
Large Text (above 18pt) WCAG AA × Fail

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 40.9478, 48.4719, 20.5624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

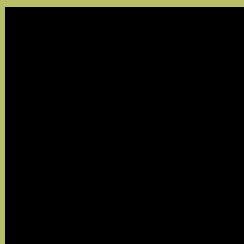
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9478, 48.4719, 20.5624

Background



This preview shows how black text looks on a background with the XYZ color 40.9478, 48.4719, 20.5624.



This preview shows how white text looks on a background with the XYZ color 40.9478, 48.4719,

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

40.9478, 48.4719, 20.5624

Protanopia

44.4257, 48.3737, 19.8275

Deuteranopia

49.2834, 48.1409, 20.8820



Tritanopia

48.6223, 48.4572, 58.4203

Trichromacy



Original Color

40.9478, 48.4719, 20.5624

Protanomaly

43.0340, 48.2759, 20.1467

Deuteranomaly

45.7561, 47.8109, 20.7267

Tritanomaly

45.1058, 48.2537, 41.1190

Monochromacy



Original Color

40.9478, 48.4719, 20.5624

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.6570, 45.9577, 36.3809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9478, 48.4719, 20.5624 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(184, 191, 105)` looks like.

```
.text, #text, p{  
    color:rgb(184, 191, 105)  
}
```

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(184, 191, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 191, 105) }
```

Border

The CSS property to change the border of an element to XYZ 40.9478, 48.4719, 20.5624 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(184, 191, 105) }
```


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

```
.border{ border-color:rgb(184, 191, 105) }
```

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

Here you see how a box with a 4 pixel rgb(184, 191, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 191, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 191, 105);  
box-shadow:4px 4px 4px 4px rgb(184, 191,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9478, 48.4719, 20.5624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 191, 105) }
```

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

```
.background{ background-color: rgb(184,  
191, 105) }
```

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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