

Converting Colors

XYZ(42.0491, 48.7361, 19.7630)

Have a look what the booklet for
XYZ(42.0491, 48.7361, 19.7630)
contains.

XYZ(42.0469, 48.7334, 19.7607)	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(42.0469, 48.7334,
19.7607)**

Conversions

Conversions Part 1

Format	Color
Hex	BEBE66
RGB	190, 190, 102
RGB Percent	75%, 75%, 40%
CMY	0.2549, 0.2549, 0.6000
CMYK	0.00, 0.00, 0.46, 0.25
HSL	60°, 40%, 57%
HSV	60°, 46%, 75%
XYZ	42.0469, 48.7334, 19.7607
YIQ	179.9680, 28.2480, -27.3680

Conversions

Conversions Part 2

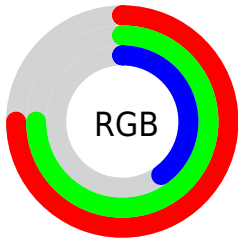
Format	Color
RYB	102, 190, 102
Decimal	12500582
CIELab	75.29, -12.49, 44.15
CIELCh	75, 45.887, 105.796
Yxy	48.7334, 0.3804, 0.4409
Android (android.graphics.Color)	4290690662 (0xFFBEBE66)
YUV	179.9680, -38.4382, 8.7981
Hunter-Lab	69.8093, -14.6538, 32.0835

Details

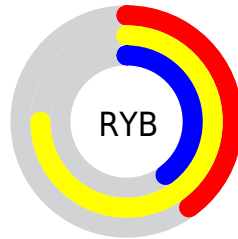
The XYZ color **42.0469, 48.7334, 19.7607** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.5268, 16.0464, 50.7863**, and the grayscale version is **43.5555, 45.8238, 49.9021**.

A 20% lighter version of the original color is **77.5836, 88.2346, 43.9522**, and **19.5572, 23.2902, 6.7135** is the 20% darker color. If you saturate the color by 10%, you get **41.2108, 48.4007, 15.3542**, and if you desaturate by 10%, it is **43.1014, 49.1570, 25.3066**.

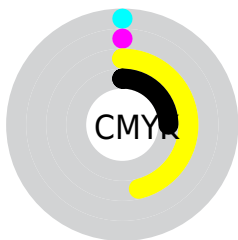
Distribution



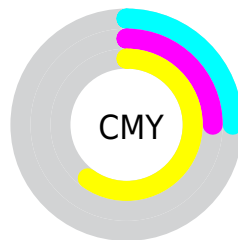
- Red (75%)
- Green (75%)
- Blue (40%)



- Red (40%)
- Yellow (75%)
- Blue (40%)



- Cyan (0%)
- Magenta (0%)
- Yellow (46%)
- Black (25%)



- Cyan (25%)
- Magenta (25%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0469, 48.7334, 19.7607 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 42.0469, 48.7334, 19.7607 by changing the saturation by 10% instead.

■ 42.0469, 48.7334,
19.7607

■ 42.0469, 48.7334,
19.7607

345.6656,
381.6918, 263.1779

■ 29.3293, 34.4080,
12.0389

■ 77.5353, 88.2954,
43.8693

■ 19.4756, 23.2072,
6.6473

■ 101.0368,
114.3008, 61.0931

■ 12.1205, 14.7466,
3.1674

■ 128.8637,
144.9683, 82.3214

■ 6.8986, 8.6417,
1.1808

■ 161.3813,
180.6824, 107.9726

■ 3.4445, 4.5083,
0.0000

198.9549,
221.8274, 138.4654

■ 1.3930, 1.9617,
0.0000

241.9499,

■ 0.2512, 0.5851,

268.7877, 174.2181

0.0000

290.7317,
321.9477, 215.6495

■ 0.0000, 0.0000,
0.0000

■ 42.0469, 48.7334,
19.7607

■ 42.0469, 48.7334,
19.7607

■ 41.2108, 48.4007,
15.3542

■ 43.1014, 49.1570,
25.3066

■ 40.5745, 48.1461,
12.0053

■ 44.3842, 49.6701,
32.0602

■ 40.1224, 47.9653,
9.6262


■ 45.9089, 50.2801,
40.0880


■ 39.8349, 47.8502,
8.1138

■ 47.6872, 50.9914,
49.4507

■ 39.6865, 47.7908,
7.3339


■ 49.7298, 51.8085,
60.2053

 39.6481, 47.7754,
7.1319

 52.0469, 52.7354,
72.4052

 54.6481, 53.7759,
86.1013

 57.5426, 54.9337,
101.3418

 57.7024, 54.9977,
102.1821

Harmonies

Analogous

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



50.4110, 48.7334, 19.5885



42.0469, 48.7334, 19.7607



35.6467, 48.7334, 26.8356

Triad

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



42.0469, 48.7334, 19.7607



35.9147, 48.7334, 93.7708



63.8727, 48.7334, 65.2849

Complementary

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



42.0469, 48.7334, 19.7607



19.5268, 16.0464, 50.7863

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.



58.9350, 48.7334, 92.4446



42.0469, 48.7334, 19.7607



42.4559, 48.7334, 111.9695

Square

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



42.0469, 48.7334, 19.7607



32.4105, 48.7334, 66.7252



50.8724, 48.7334, 111.4214



63.7285, 48.7334, 41.4049

Rectangle

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



42.0469, 48.7334, 19.7607



33.0552, 48.7334, 36.2181



50.8724, 48.7334, 111.4214



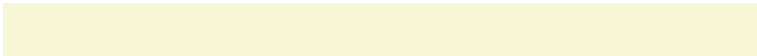
62.7285, 48.7334, 74.4557

Sweetspot

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



42.0481, 48.7356, 19.7617



83.8233, 91.3632, 75.9822



28.3865, 21.4104, 15.2074



18.2611, 20.0042, 15.9179



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.



42.0481, 48.7356, 19.7617



74.5975, 87.6726, 27.4120



32.6677, 43.8999, 19.3227



10.3222, 11.1205, 10.1791



26.3622, 31.7661, 4.7420



1.0326, 1.2443, 0.1857

Inverse Universe

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



19.5268, 16.0464, 50.7863



28.5809, 20.8802, 90.8030



25.9012, 19.3325, 51.0846



9.0166, 9.2254, 11.9777



6.1803, 2.4721, 32.5443



0.2421, 0.0968, 1.2748

Previews

White Background



This preview shows how the XYZ color 42.0469, 48.7334, 19.7607 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 42.0469, 48.7334, 19.7607 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

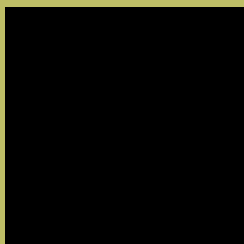
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

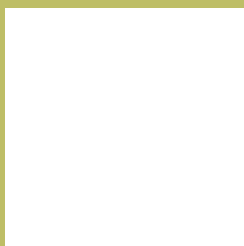
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0469, 48.7334, 19.7607

Background



This preview shows how black text looks on a background with the XYZ color 42.0469, 48.7334, 19.7607.



This preview shows how white text looks on a background with the XYZ color 42.0469, 48.7334,

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

42.0469, 48.7334, 19.7607

Protanopia

44.5511, 48.4554, 19.0613

Deuteranopia

49.6360, 48.6330, 20.1356



Tritanopia

49.8783, 48.8169, 57.8327

Trichromacy



Original Color

42.0469, 48.7334, 19.7607

Protanomaly

43.6725, 48.6223, 19.3952

Deuteranomaly

46.6672, 48.6015, 20.0181

Tritanomaly

46.3385, 48.5900, 40.6547

Monochromacy



Original Color

42.0469, 48.7334, 19.7607

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

42.5752, 46.7383, 36.4832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0469, 48.7334, 19.7607 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(190, 190, 102)` looks like.

```
.text, #text, p{  
    color:rgb(190, 190, 102)  
}
```

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(190, 190, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 190, 102) }
```

Border

The CSS property to change the border of an element to XYZ 42.0469, 48.7334, 19.7607 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(190, 190, 102) }
```


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

```
.border{ border-color:rgb(190, 190, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 190, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 190, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 190, 102);  
box-shadow:4px 4px 4px 4px rgb(190, 190,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0469, 48.7334, 19.7607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 190, 102) }
```

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

```
.background{ background-color: rgb(190,  
190, 102) }
```

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