

Converting Colors

XYZ(38.5503, 45.5661, 12.5229)

Have a look what the booklet for
XYZ(38.5503, 45.5661, 12.5229)
contains.

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Color

**XYZ(38.4620, 45.4544,
12.5408)**

Conversions

Conversions Part 1

Format	Color
Hex	B9B946
RGB	185, 185, 70
RGB Percent	73%, 73%, 27%
CMY	0.2745, 0.2745, 0.7255
CMYK	0.00, 0.00, 0.62, 0.27
HSL	60°, 45%, 50%
HSV	60°, 62%, 73%
XYZ	38.4620, 45.4544, 12.5408
YIQ	171.8900, 36.9150, -35.7650

Conversions

Conversions Part 2

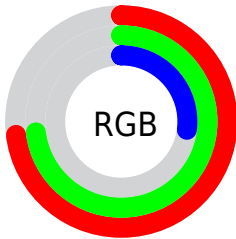
Format	Color
RYB	70, 185, 70
Decimal	12171590
CIELab	73.19, -14.61, 56.47
CIELCh	73, 58.327, 104.507
Yxy	45.4544, 0.3987, 0.4712
Android (android.graphics.Color)	4290361670 (0xFFB9B946)
YUV	171.8900, -50.2318, 11.4975
Hunter-Lab	67.4199, -16.1533, 36.1654

Details

The XYZ color **38.4620, 45.4544, 12.5408** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **13.4744, 9.1862, 46.9647**, and the grayscale version is **39.3911, 41.4425, 45.1309**.

A 20% lighter version of the original color is **71.9926, 83.3953, 31.0414**, and **17.3429, 21.1850, 3.3761** is the 20% darker color. If you saturate the color by 10%, you get **37.9659, 45.2576, 9.9250**, and if you desaturate by 10%, it is **39.1401, 45.7273, 16.1058**.

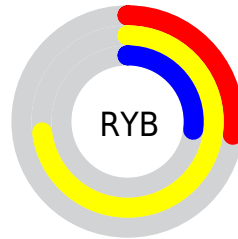
Distribution



Red (73%)

Green (73%)

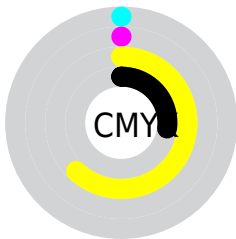
Blue (27%)



Red (27%)

Yellow (73%)

Blue (27%)

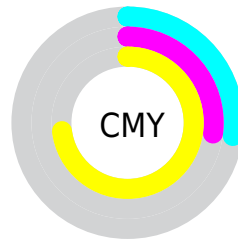


Cyan (0%)

Magenta (0%)

Yellow (62%)

Black (27%)



Cyan (27%)


Magenta (27%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4620, 45.4544, 12.5408 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 38.4620, 45.4544, 12.5408 by changing the saturation by 10% instead.


 38.4620, 45.4544,
12.5408


 38.4620, 45.4544,
12.5408


330.8444,
368.6108, 219.0568


 26.5203, 31.8155,
6.9861


 72.1151, 83.4019,
31.1553

 17.3480, 21.2206,
3.3751


 94.5571, 108.4792,
45.0522


 10.5798, 13.2854,
1.2892


 121.2300,
138.1382, 62.5669

 5.8502, 7.6253,
0.0529

 152.4991,
172.7631, 84.1180

 2.7940, 3.8562,
0.0000

 188.7297,
212.7385, 110.1240

 1.0458, 1.5934,
0.0000

230.2872,

 0.0000, 0.3532,

258.4486, 141.0035

0.0000

277.5370,
310.2779, 177.1749

■ 0.0000, 0.0000,
0.0000

■ 38.4620, 45.4544,
12.5408

■ 38.4620, 45.4544,
12.5408

■ 37.9659, 45.2576,
9.9250

■ 39.1401, 45.7273,
16.1058

■ 37.6316, 45.1239,
8.1654

■ 40.0120, 46.0761,
20.6960

■ 37.4395, 45.0470,
7.1552

■ 41.0922, 46.5082,
26.3829

■ 37.3566, 45.0138,
6.7196

■ 42.3928, 47.0285,
33.2309

■ 43.9253, 47.6415,
41.2995

■ 45.7000, 48.3514,
50.6438

■ 47.7268, 49.1622,
61.3160

■ 50.0152, 50.0775,
73.3649

■ 52.5738, 51.1010,
86.8372

Harmonies

Analogous

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



48.6715, 45.4544, 12.6415



38.4620, 45.4544, 12.5408



30.8326, 45.4544, 19.2136

Triad

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



38.4620, 45.4544, 12.5408



30.6419, 45.4544, 100.3971



65.0583, 45.4544, 66.1110

Complementary

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



38.4620, 45.4544, 12.5408



13.4744, 9.1862, 46.9647

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.



58.5056, 45.4544, 101.4990



38.4620, 45.4544, 12.5408



38.1604, 45.4544, 126.0162

Square

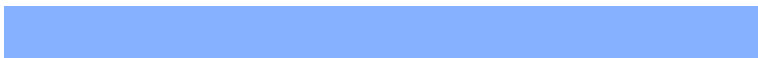
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



38.4620, 45.4544, 12.5408



26.8251, 45.4544, 64.9823



48.3185, 45.4544, 126.4844



65.1734, 45.4544, 36.6827

Rectangle

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



38.4620, 45.4544, 12.5408



27.7732, 45.4544, 28.9950



48.3185, 45.4544, 126.4844



63.4945, 45.4544, 77.9031

Sweetspot

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



38.4631, 45.4565, 12.5417



76.6597, 84.5182, 63.4047



23.3048, 15.1380, 7.4886



16.3674, 18.1568, 12.8325



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



38.4631, 45.4565, 12.5417



67.7158, 80.9404, 16.3186



27.2834, 39.6932, 12.0185



9.7502, 10.5034, 9.6204



25.4350, 30.6485, 4.5752



0.8967, 1.0804, 0.1613

Inverse Universe

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



13.4744, 9.1862, 46.9647



19.1551, 10.4559, 83.2132



19.7756, 12.4346, 47.2596



8.5212, 8.7195, 11.3134



5.9628, 2.3851, 31.3992



0.2102, 0.0841, 1.1069

Previews

White Background



This preview shows how the XYZ color 38.4620, 45.4544, 12.5408 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 38.4620, 45.4544, 12.5408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

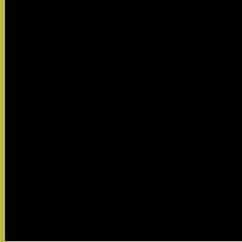
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.4620, 45.4544, 12.5408

Background



This preview shows how black text looks on a background with the XYZ color 38.4620, 45.4544, 12.5408.



This preview shows how white text looks on a background with the XYZ color 38.4620, 45.4544,

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

38.4620, 45.4544, 12.5408

Protanopia

41.2149, 45.3515, 12.2117

Deuteranopia

46.2304, 45.3082, 12.7873



Tritanopia

46.6782, 45.2108, 53.2801

Trichromacy



Original Color

38.4620, 45.4544, 12.5408

Protanomaly

40.3078, 45.4877, 12.2858

Deuteranomaly

43.0224, 45.0870, 12.7385

Tritanomaly

42.4944, 44.6644, 32.7669

Monochromacy



Original Color

38.4620, 45.4544, 12.5408

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.2268, 42.5407, 29.1181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4620, 45.4544, 12.5408 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(185, 185, 70)` looks like.

```
.text, #text, p{  
    color:rgb(185, 185, 70)  
}
```

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(185, 185, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 185, 70) }
```

Border

The CSS property to change the border of an element to XYZ 38.4620, 45.4544, 12.5408 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(185, 185, 70) }
```


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

```
.border{ border-color:rgb(185, 185, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 185, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 185, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 185, 70);  
box-shadow:4px 4px 4px 4px rgb(185, 185,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4620, 45.4544, 12.5408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 185, 70) }
```

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

```
.background{ background-color: rgb(185,  
185, 70) }
```

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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