

Converting Colors

XYZ(30.3866, 43.4908, 12.4481)

Have a look what the booklet for
XYZ(30.3866, 43.4908, 12.4481)
contains.

XYZ(30.4050, 43.5322, 12.4303)	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(30.4050, 43.5322,
12.4303)**

Conversions

Conversions Part 1

Format	Color
Hex	8AC045
RGB	138, 192, 69
RGB Percent	54%, 75%, 27%
CMY	0.4588, 0.2470, 0.7294
CMYK	0.28, 0.00, 0.64, 0.25
HSL	86°, 49%, 51%
HSV	86°, 64%, 75%
XYZ	30.4050, 43.5322, 12.4303
YIQ	161.8320, 7.2990, -49.7010

Conversions

Conversions Part 2

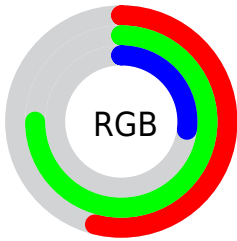
Format	Color
RYB	69, 192, 123
Decimal	9093189
CIELab	71.91, -36.99, 54.56
CIElCh	72, 65.910, 124.135
Yxy	43.5322, 0.3520, 0.5040
Android (android.graphics.Color)	4287283269 (0xFF8AC045)
YUV	161.8320, -45.7662, -20.9007
Hunter-Lab	65.9789, -33.2052, 35.0151

Details

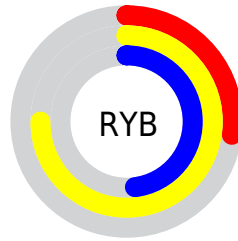
The XYZ color **30.4050, 43.5322, 12.4303** is a dark color, and the websafe version is hex **99CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **19.8129, 12.2743, 51.1966**, and the grayscale version is **34.4701, 36.2652, 39.4928**.

A 20% lighter version of the original color is **59.6367, 80.6258, 30.8315**, and **12.6777, 20.0247, 3.3118** is the 20% darker color. If you saturate the color by 10%, you get **28.5621, 42.6416, 9.7207**, and if you desaturate by 10%, it is **32.5511, 44.5596, 16.1622**.

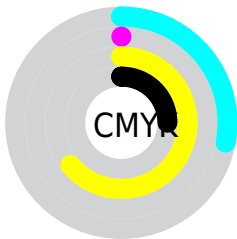
Distribution



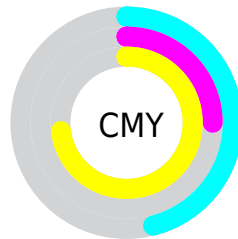
- Red (54%)
- Green (75%)
- Blue (27%)



- Red (27%)
- Yellow (75%)
- Blue (48%)



- Cyan (28%)
- Magenta (0%)
- Yellow (64%)
- Black (25%)





- Cyan (46%)
- Magenta (25%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4050, 43.5322, 12.4303 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 30.4050, 43.5322, 12.4303 by changing the saturation by 10% instead.


 30.4050, 43.5322,
12.4303


 30.4050, 43.5322,
12.4303


295.6638,
360.7959, 218.3116

 20.2958, 30.3029,
6.9114


 59.6843, 80.5134,
30.9525


 12.7198, 20.0686,
3.3291


 79.5851, 105.0340,
44.7928


 7.3115, 12.4449,
1.2650


 103.4805,
134.0872, 62.2439

 3.7057, 7.0475,
0.0329

 131.7359,
168.0574, 83.7245

 1.5370, 3.4918,
0.0000

 164.7165,
207.3290, 109.6530

 0.3508, 1.3936,
0.0000

202.7878,

 0.0000, 0.2120,

252.2864, 140.4480

0.0000

246.3151,
303.3138, 176.5280

■ 0.0000, 0.0000,
0.0000

■ 30.4050, 43.5322,
12.4303

■ 30.4050, 43.5322,
12.4303

■ 28.5621, 42.6416,
9.7207

■ 32.5511, 44.5596,
16.1622

■ 26.9974, 41.8730,
7.9285

■ 35.0165, 45.7259,
21.0023

■ 25.6860, 41.2177,
6.9310

■ 37.8194, 47.0404,
27.0305

■ 24.9988, 40.8707,
6.5713

■ 40.9757, 48.5095,
34.3186

■ 44.5001, 50.1394,
42.9327

■ 48.4064, 51.9358,
52.9344

■ 52.7074, 53.9042,
64.3811

■ 57.4157, 56.0497,
77.3274

■ 62.5427, 58.3772,
91.8248

Harmonies

Analogous

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



39.8387, 43.5322, 8.6083



30.4050, 43.5322, 12.4303



24.8309, 43.5322, 25.2183

Triad

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



30.4050, 43.5322, 12.4303



32.6540, 43.5322, 127.6454



66.8613, 43.5322, 43.0790

Complementary

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



30.4050, 43.5322, 12.4303



19.8129, 12.2743, 51.1966

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.



64.0022, 43.5322, 79.8138



30.4050, 43.5322, 12.4303



42.9524, 43.5322, 139.6829

Square

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



30.4050, 43.5322, 12.4303



25.9550, 43.5322, 91.2503



54.7120, 43.5322, 119.2084



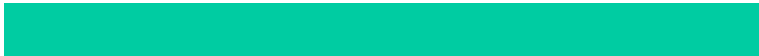
61.9425, 43.5322, 20.4801

Rectangle

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



30.4050, 43.5322, 12.4303



23.4009, 43.5322, 41.3575



54.7120, 43.5322, 119.2084



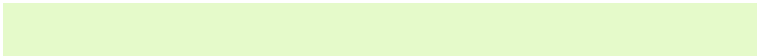
66.7831, 43.5322, 54.0023

Sweetspot

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



30.4060, 43.5341, 12.4312



77.1949, 89.2599, 69.2979



29.8106, 25.6306, 9.0069



16.1728, 18.9696, 13.9266



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.



30.4060, 43.5341, 12.4312



50.5084, 76.6531, 16.0670



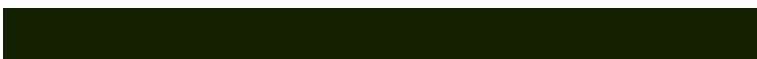
23.0019, 39.7172, 12.0847



10.4728, 11.5312, 10.7356



16.9114, 27.5470, 4.4258



0.8088, 1.2305, 0.1949

Inverse Universe

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



19.8129, 12.2743, 51.1966



29.8754, 15.6170, 91.8001



31.3636, 18.2289, 51.7372



9.9386, 9.9595, 12.6834



8.9668, 3.8830, 33.8335



0.4664, 0.2085, 1.4655

Previews

White Background



This preview shows how the XYZ color 30.4050, 43.5322, 12.4303 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 30.4050, 43.5322, 12.4303 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 30.4050, 43.5322, 12.4303

Background



This preview shows how black text looks on a background with the XYZ color 30.4050, 43.5322, 12.4303.



This preview shows how white text looks on a background with the XYZ color 30.4050, 43.5322,

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

30.4050, 43.5322, 12.4303

Protanopia

39.2157, 43.1566, 11.1137

Deuteranopia

44.0717, 43.0787, 13.0134



Tritanopia

39.3853, 43.4076, 57.3416

Trichromacy



Original Color

30.4050, 43.5322, 12.4303

Protanomaly

35.3905, 42.9632, 11.5817

Deuteranomaly

37.7476, 42.3639, 12.6661

Tritanomaly

34.7780, 42.7468, 34.8517

Monochromacy



Original Color

30.4050, 43.5322, 12.4303

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

31.9767, 38.2180, 26.1135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4050, 43.5322, 12.4303 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(138, 192, 69)` looks like.

```
.text, #text, p{  
    color:rgb(138, 192, 69)  
}
```

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(138, 192, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 192, 69) }
```

Border

The CSS property to change the border of an element to XYZ 30.4050, 43.5322, 12.4303 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(138, 192, 69) }
```


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

```
.border{ border-color:rgb(138, 192, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 192, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 192, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 192, 69);  
box-shadow:4px 4px 4px 4px rgb(138, 192,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4050, 43.5322, 12.4303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 192, 69) }
```

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

```
.background{ background-color: rgb(138,  
192, 69) }
```

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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