

Converting Colors

XYZ(29.6740, 48.8574, 12.0790)

Have a look what the booklet for
XYZ(29.6740, 48.8574, 12.0790)
contains.

XYZ(29.5558, 48.6261, 12.1030)	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(29.5558, 48.6261,
12.1030)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD03C
RGB	108, 208, 60
RGB Percent	42%, 82%, 24%
CMY	0.5765, 0.1843, 0.7647
CMYK	0.48, 0.00, 0.71, 0.18
HSL	101°, 61%, 53%
HSV	101°, 71%, 82%
XYZ	29.5558, 48.6261, 12.1030
YIQ	161.2280, -12.0920, -67.2280

Conversions

Conversions Part 2

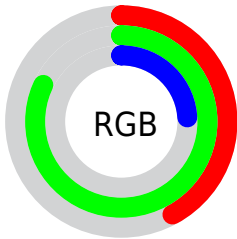
Format	Color
RYB	60, 208, 160
Decimal	7131196
CIELab	75.22, -54.44, 61.11
CIELCh	75, 81.840, 131.695
Yxy	48.6261, 0.3274, 0.5386
Android (android.graphics.Color)	4285321276 (0xFF6CD03C)
YUV	161.2280, -49.9054, -46.6810
Hunter-Lab	69.7324, -46.3752, 38.5221

Details

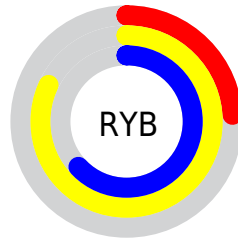
The XYZ color **29.5558, 48.6261, 12.1030** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **27.5009, 15.2611, 61.1734**, and the grayscale version is **34.2126, 35.9943, 39.1978**.

A 20% lighter version of the original color is **54.8487, 80.9964, 29.2660**, and **12.4299, 23.3179, 3.8457** is the 20% darker color. If you saturate the color by 10%, you get **27.5369, 47.6384, 9.6811**, and if you desaturate by 10%, it is **32.0686, 49.8465, 15.6776**.

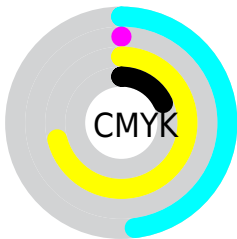
Distribution



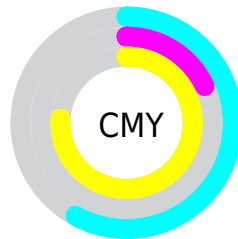
- Red (42%)
- Green (82%)
- Blue (24%)



- Red (24%)
- Yellow (82%)
- Blue (63%)



- Cyan (48%)
- Magenta (0%)
- Yellow (71%)
- Black (18%)





- Cyan (58%)
- Magenta (18%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.5558, 48.6261, 12.1030 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 29.5558, 48.6261, 12.1030 by changing the saturation by 10% instead.


 29.5558, 48.6261,
12.1030


 29.5558, 48.6261,
12.1030


291.7755,
381.2685, 216.0880


 19.6481, 34.3230,
6.6905


 58.3505, 88.1359,
30.3498


 12.2463, 23.1418,
3.1938


 77.9681, 114.1113,
44.0211


 6.9850, 14.6983,
1.1944

 101.5531,
144.7463, 61.2824

 3.4990, 8.6079,
0.0000

 129.4707,
180.4253, 82.5523

 1.4228, 4.4863,
0.0000

 162.0865,
221.5326, 108.2492

 0.2724, 1.9492,
0.0000

199.7656,

 0.0000, 0.5777,

268.4526, 138.7918

0.0000

242.8735,
321.5698, 174.5986

■ 0.0000, 0.0000,
0.0000

■ 29.5558, 48.6261,
12.1030

■ 29.5558, 48.6261,
12.1030

■ 27.5369, 47.6384,
9.6811

■ 32.0686, 49.8465,
15.6776

■ 25.9684, 46.8594,
8.2659

■ 35.1069, 51.3087,
20.5215

■ 24.9028, 46.3231,
7.6287

■ 38.7030, 53.0287,
26.7404

■ 42.8858, 55.0191,
34.4283

■ 47.6817, 57.2919,
43.6708

■ 53.1155, 59.8580,
54.5469

■ 59.2106, 62.7280,
67.1303

■ 65.9891, 65.9116,
81.4900

■ 73.4722, 69.4184,
97.6916

Harmonies

Analogous

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



40.6108, 48.6261, 6.2454



29.5558, 48.6261, 12.1030



23.8755, 48.6261, 30.9977

Triad

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



29.5558, 48.6261, 12.1030



37.7331, 48.6261, 176.5704



80.6308, 48.6261, 37.8962

Complementary

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



29.5558, 48.6261, 12.1030



27.5009, 15.2611, 61.1734

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.



79.3892, 48.6261, 83.3786



29.5558, 48.6261, 12.1030



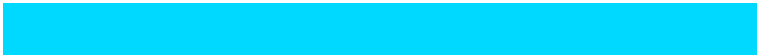
52.3182, 48.6261, 182.1333

Square

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



29.5558, 48.6261, 12.1030



27.8436, 48.6261, 129.1505



68.1953, 48.6261, 141.7498



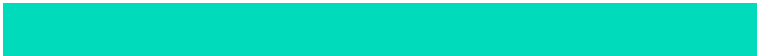
71.2905, 48.6261, 14.8010

Rectangle

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



29.5558, 48.6261, 12.1030



22.9556, 48.6261, 55.4286



68.1953, 48.6261, 141.7498



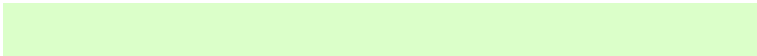
81.4838, 48.6261, 50.5378

Sweetspot

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



29.5569, 48.6282, 12.1041



75.5136, 90.7898, 69.0805



39.1710, 38.4201, 9.6270



15.6875, 19.2077, 13.8567



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.



29.5569, 48.6282, 12.1041



42.3641, 74.8837, 14.0761



26.0474, 46.7252, 16.1722



12.0122, 13.3897, 12.5634



15.6106, 28.9165, 4.7587



0.9554, 1.6594, 0.2699

Inverse Universe

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



27.5009, 15.2611, 61.1734



38.6889, 18.9005, 96.2168



36.2121, 20.0757, 46.9506



11.9226, 11.8089, 14.8946



13.9992, 6.3971, 37.6894



0.8639, 0.3995, 2.1112

Previews

White Background



This preview shows how the XYZ color 29.5558, 48.6261, 12.1030 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 29.5558, 48.6261, 12.1030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

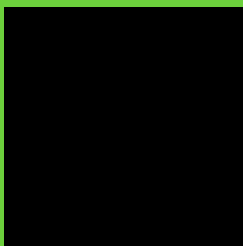
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

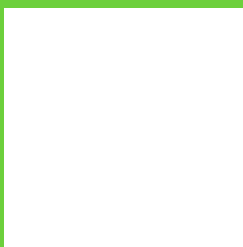
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.5558, 48.6261, 12.1030

Background



This preview shows how black text looks on a background with the XYZ color 29.5558, 48.6261, 12.1030.



This preview shows how white text looks on a background with the XYZ color 29.5558, 48.6261,

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

29.5558, 48.6261, 12.1030

Protanopia

43.2599, 47.6691, 10.4110

Deuteranopia

48.8128, 47.7858, 12.7818



Tritanopia

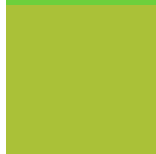
40.7562, 48.3050, 68.1485

Trichromacy



Original Color

29.5558, 48.6261, 12.1030



Protanomaly

36.3613, 46.9715, 10.8913



Deuteranomaly

38.8213, 46.2723, 12.3542



Tritanomaly

34.7973, 47.5734, 38.3589

Monochromacy



Original Color

29.5558, 48.6261, 12.1030



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

30.7138, 39.0468, 24.9868

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.5558, 48.6261, 12.1030 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(108, 208, 60)` looks like.

```
.text, #text, p{  
    color:rgb(108, 208, 60)  
}
```

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(108, 208, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 208, 60) }
```

Border

The CSS property to change the border of an element to XYZ 29.5558, 48.6261, 12.1030 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(108, 208, 60) }
```


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

```
.border{ border-color:rgb(108, 208, 60) }
```

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

Here you see how a box with a 4 pixel rgb(108, 208, 60) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 208, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 208, 60);  
box-shadow:4px 4px 4px 4px rgb(108, 208,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 29.5558, 48.6261, 12.1030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 208, 60) }
```

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

```
.background{ background-color: rgb(108,  
208, 60) }
```

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