

Converting Colors

XYZ(30.6052, 50.3766, 24.0302)

Have a look what the booklet for
XYZ(30.6052, 50.3766, 24.0302)
contains.

XYZ(30.6052, 50.3766, 24.0302)	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(30.6052, 50.3766,
24.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	58D472
RGB	88, 212, 114
RGB Percent	35%, 83%, 45%
CMY	0.6549, 0.1686, 0.5529
CMYK	0.58, 0.00, 0.46, 0.17
HSL	133°, 59%, 59%
HSV	133°, 58%, 83%
XYZ	30.6052, 50.3766, 24.0302
YIQ	163.7520, -42.4460, -56.7660

Conversions

Conversions Part 2

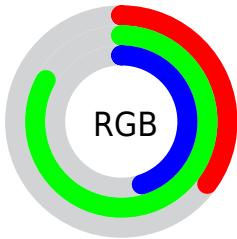
Format	Color
RYB	88, 191, 212
Decimal	5821554
CIELab	76.30, -55.14, 38.27
CIELCh	76, 67.120, 145.233
Yxy	50.3766, 0.2914, 0.4797
Android (android.graphics.Color)	4284011634 (0xFF58D472)
YUV	163.7520, -24.5277, -66.4345
Hunter-Lab	70.9765, -47.2393, 29.6100

Details

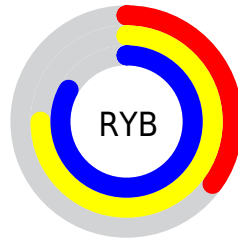
The XYZ color **30.6052, 50.3766, 24.0302** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **39.5054, 24.5224, 49.1065**, and the grayscale version is **35.2970, 37.1352, 40.4402**.

A 20% lighter version of the original color is **54.9478, 80.6059, 49.2217**, and **12.7857, 24.1358, 8.6874** is the 20% darker color. If you saturate the color by 10%, you get **28.0148, 49.1429, 19.3789**, and if you desaturate by 10%, it is **33.9562, 51.9851, 29.6312**.

Distribution



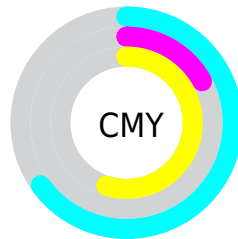
- Red (35%)
- Green (83%)
- Blue (45%)



- Red (35%)
- Yellow (75%)
- Blue (83%)



- Cyan (58%)
- Magenta (0%)
- Yellow (46%)
- Black (17%)





- Cyan (65%)
- Magenta (17%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6052, 50.3766, 24.0302 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 30.6052, 50.3766, 24.0302 by changing the saturation by 10% instead.


 30.6052, 50.3766,
24.0302


 30.6052, 50.3766,
24.0302


296.5748,
388.1369, 286.2646


 20.4488, 35.7127,
15.1436


 59.9980, 90.7326,
51.0239


 12.8318, 24.2124,
8.7725


 79.9651, 117.1935,
69.9682

 7.3890, 15.4913,
4.4983


 103.9332,
148.3556, 93.1020

 3.7551, 9.1649,
1.9025

 132.2675,
184.6032, 120.8440

 1.5645, 4.8489,
0.4943

165.3335,
226.3207, 153.6128

 0.3691, 2.1589,
0.0000

203.4964,

 0.0000, 0.6974,

273.8926, 191.8267

0.0000

247.1218,
327.7032, 235.9045

■ 0.0000, 0.0000,
0.0000

■ 30.6052, 50.3766,
24.0302

■ 30.6052, 50.3766,
24.0302

■ 28.0148, 49.1429,
19.3789

■ 33.9562, 51.9851,
29.6312

■ 26.1195, 48.2471,
15.6212

■ 38.1189, 53.9893,
36.2270

■ 24.8487, 47.6553,
12.7002

■ 43.1440, 56.4160,
43.8642

■ 24.0973, 47.3147,
10.5501

■ 49.0771, 59.2878,
52.5851

■ 24.0077, 47.2743,
10.2875

■ 55.9606, 62.6256,
62.4300

■ 63.8341, 66.4491,
73.4368

■ 72.7350, 70.7767,
85.6417

■ 81.7343, 75.1289,
99.0345

■ 82.8345, 75.5690,
104.8282

Harmonies

Analogous

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



38.2755, 50.3766, 12.9764



30.6052, 50.3766, 24.0302



27.5639, 50.3766, 49.2841

Triad

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



30.6052, 50.3766, 24.0302



45.8958, 50.3766, 157.1597



73.3187, 50.3766, 30.2650

Complementary

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



30.6052, 50.3766, 24.0302



39.5054, 24.5224, 49.1065

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.



76.3195, 50.3766, 60.8233



30.6052, 50.3766, 24.0302



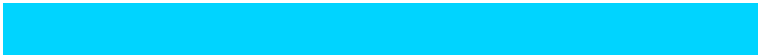
58.9734, 50.3766, 144.6324

Square

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



30.6052, 50.3766, 24.0302



35.3492, 50.3766, 133.9019



70.6758, 50.3766, 104.7100



63.0726, 50.3766, 15.3098

Rectangle

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



30.6052, 50.3766, 24.0302



28.0986, 50.3766, 75.1834



70.6758, 50.3766, 104.7100



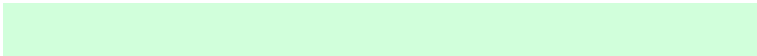
75.2767, 50.3766, 38.5617

Sweetspot

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



30.6065, 50.3787, 24.0313



74.8328, 90.1899, 80.2923



45.8493, 58.3840, 18.0854



15.4159, 19.0130, 16.3116



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.



30.6065, 50.3787, 24.0313



41.8136, 74.2904, 28.0343



35.2876, 52.2511, 48.6817



12.3679, 13.9382, 13.7518



14.8504, 29.1955, 6.5077



0.9265, 1.7732, 0.5545

Inverse Universe

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



39.5054, 24.5224, 49.1065



56.4578, 31.5375, 69.1470



34.3569, 22.4630, 21.9946



12.8363, 12.5860, 15.0781



21.1368, 10.3911, 23.8224



1.3035, 0.6382, 1.5876

Previews

White Background



This preview shows how the XYZ color 30.6052, 50.3766, 24.0302 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 30.6052, 50.3766, 24.0302 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 30.6052, 50.3766, 24.0302

Background



This preview shows how black text looks on a background with the XYZ color 30.6052, 50.3766, 24.0302.

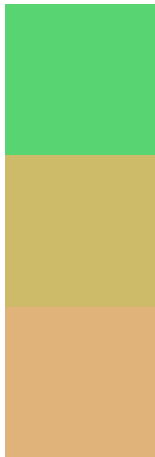


This preview shows how white text looks on a background with the XYZ color 30.6052, 50.3766,

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

30.6052, 50.3766, 24.0302

Protanopia

45.4970, 49.5397, 20.5288

Deuteranopia

50.3734, 49.4926, 25.3104



Tritanopia

40.2489, 49.9631, 73.1682

Trichromacy



Original Color

30.6052, 50.3766, 24.0302



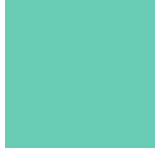
Protanomaly

37.3470, 48.2439, 21.5310



Deuteranomaly

39.6398, 47.7075, 24.5720



Tritanomaly

35.6568, 49.4843, 50.8521

Monochromacy



Original Color

30.6052, 50.3766, 24.0302



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

31.8655, 40.3573, 33.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6052, 50.3766, 24.0302 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(88, 212, 114)` looks like.

```
.text, #text, p{  
    color:rgb(88, 212, 114)  
}
```

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(88, 212, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 212, 114) }
```

Border

The CSS property to change the border of an element to XYZ 30.6052, 50.3766, 24.0302 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(88, 212, 114) }
```


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

```
.border{ border-color:rgb(88, 212, 114) }
```

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

Here you see how a box with a 4 pixel rgb(88, 212, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 212, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 212, 114);  
box-shadow:4px 4px 4px 4px rgb(88, 212,  
114) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6052, 50.3766, 24.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 212, 114) }
```

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

```
.background{ background-color: rgb(88, 212,  
114) }
```

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