

Converting Colors

XYZ(30.5275, 44.7862, 24.1184)

Have a look what the booklet for
XYZ(30.5275, 44.7862, 24.1184)
contains.

XYZ(30.4812, 44.6394, 24.1493)	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(30.4812, 44.6394,
24.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	76C476
RGB	118, 196, 118
RGB Percent	46%, 77%, 46%
CMY	0.5372, 0.2314, 0.5372
CMYK	0.40, 0.00, 0.40, 0.23
HSL	120°, 40%, 62%
HSV	120°, 40%, 77%
XYZ	30.4812, 44.6394, 24.1493
YIQ	163.7860, -21.4500, -40.7940

Conversions

Conversions Part 2

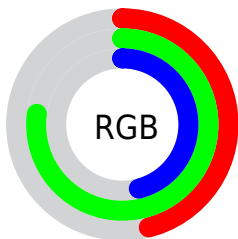
Format	Color
RYB	118, 196, 196
Decimal	7783542
CIELab	72.65, -39.89, 31.79
CIELCh	73, 51.004, 141.445
Yxy	44.6394, 0.3071, 0.4497
Android (android.graphics.Color)	4285973622 (0xFF76C476)
YUV	163.7860, -22.5725, -40.1543
Hunter-Lab	66.8127, -35.4873, 25.3387

Details

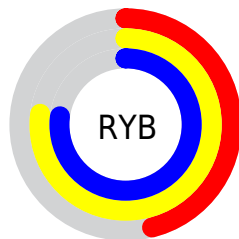
The XYZ color **30.4812, 44.6394, 24.1493** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **39.2087, 28.6791, 55.6953**, and the grayscale version is **35.2970, 37.1352, 40.4403**.

A 20% lighter version of the original color is **59.7095, 82.0751, 51.2231**, and **12.8307, 20.8533, 8.8177** is the 20% darker color. If you saturate the color by 10%, you get **27.0448, 42.9901, 18.5276**, and if you desaturate by 10%, it is **34.7149, 46.6744, 31.0735**.

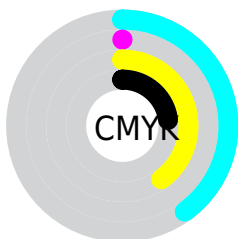
Distribution



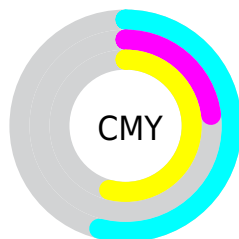
- Red (46%)
- Green (77%)
- Blue (46%)



- Red (46%)
- Yellow (77%)
- Blue (77%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (23%)



- Cyan (54%)
- Magenta (23%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4812, 44.6394, 24.1493 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 30.4812, 44.6394, 24.1493 by changing the saturation by 10% instead.

■ 30.4812, 44.6394,
24.1493

■ 30.4812, 44.6394,
24.1493

296.0108,
365.3112, 286.8853

■ 20.3540, 31.1735,
15.2312

■ 59.8038, 82.1790,
51.2206

■ 12.7624, 20.7310,
8.8334

■ 79.7298, 107.0215,
70.2109

■ 7.3410, 12.9275,
4.5373

■ 103.6529,
136.4250, 93.3956

■ 3.7245, 7.3786,
1.9245

131.9383,
170.7739, 121.1934

■ 1.5475, 3.7000,
0.5083

164.9515,
210.4526, 154.0227

■ 0.3578, 1.5072,
0.0000

203.0577,

■ 0.0000, 0.2938,

255.8454, 192.3021

0.0000

246.6224,
307.3368, 236.4501

0.0000, 0.0000,
0.0000

30.4812, 44.6394,
24.1493

30.4812, 44.6394,
24.1493

27.0448, 42.9901,
18.5276

34.7149, 46.6744,
31.0735

24.3528, 41.6969,
14.1242

39.7880, 49.1113,
39.3714

22.3510, 40.7354,
10.8499


45.7434, 51.9720,
49.1126


20.9766, 40.0752,
8.6019


52.6204, 55.2753,
60.3611


20.1555, 39.6808,
7.2588

60.4557, 59.0390,
73.1771

 19.7480, 39.4850,
6.5921

 69.2841, 63.2797,
87.6174

 19.7408, 39.4816,
6.5803

 79.0308, 67.9616,
103.5603

Harmonies

Analogous

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



36.5151, 44.6394, 15.9270



30.4812, 44.6394, 24.1493



27.7482, 44.6394, 41.7205

Triad

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



30.4812, 44.6394, 24.1493



39.9511, 44.6394, 114.3410



60.2870, 44.6394, 32.8976

Complementary

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



30.4812, 44.6394, 24.1493



39.2087, 28.6791, 55.6953

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.



61.5434, 44.6394, 56.2074



30.4812, 44.6394, 24.1493



48.9479, 44.6394, 109.4126

Square

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



30.4812, 44.6394, 24.1493



32.6963, 44.6394, 97.4462



57.1491, 44.6394, 85.6734



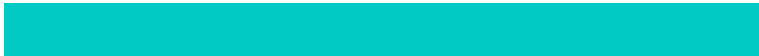
53.9222, 44.6394, 19.6206

Rectangle

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



30.4812, 44.6394, 24.1493



27.8605, 44.6394, 58.9131



57.1491, 44.6394, 85.6734



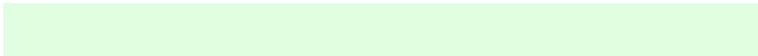
61.3529, 44.6394, 39.5750

Sweetspot

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



30.4823, 44.6413, 24.1503



80.1335, 92.8349, 84.5015



45.7768, 52.5259, 24.8658



16.8365, 19.7190, 17.5710



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.



30.4823, 44.6413, 24.1503



49.5760, 78.1565, 34.5190



33.2982, 45.7676, 38.9785



9.9445, 11.2588, 10.7109



12.6838, 25.3676, 4.2280



0.5480, 1.0961, 0.1827

Inverse Universe

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



39.2087, 28.6791, 55.6953



67.6226, 45.1456, 99.7563



35.3306, 27.1279, 35.2735



10.4973, 10.2475, 12.7095



21.0295, 10.1016, 34.3971



0.9086, 0.4365, 1.4862

Previews

White Background



This preview shows how the XYZ color 30.4812, 44.6394, 24.1493 looks on a white background.

Color Contrast Check

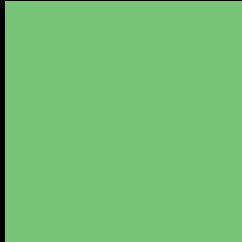
Large Text (above 18pt) WCAG AA × Fail

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 30.4812, 44.6394, 24.1493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

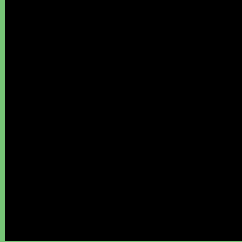
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4812, 44.6394, 24.1493

Background



This preview shows how black text looks on a background with the XYZ color 30.4812, 44.6394, 24.1493.



This preview shows how white text looks on a background with the XYZ color 30.4812, 44.6394,

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

30.4812, 44.6394, 24.1493

Protanopia

40.5837, 43.9294, 21.3792

Deuteranopia

44.8768, 44.0536, 25.2067



Tritanopia

37.9330, 44.4032, 61.8297

Trichromacy



Original Color

30.4812, 44.6394, 24.1493

Protanomaly

35.9036, 43.6029, 22.4435

Deuteranomaly

37.7644, 42.9925, 24.7203

Tritanomaly

34.6662, 44.3564, 45.2626

Monochromacy



Original Color

30.4812, 44.6394, 24.1493

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.8244, 39.3603, 33.4710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4812, 44.6394, 24.1493 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(118, 196, 118)` looks like.

```
.text, #text, p{  
    color:rgb(118, 196, 118)  
}
```

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(118, 196, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 196, 118) }
```

Border

The CSS property to change the border of an element to XYZ 30.4812, 44.6394, 24.1493 is called "border". The border property can be set on classes, ids or directly on the HTML element.

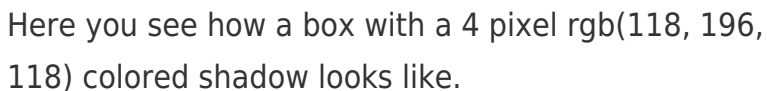
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 196, 118) }
```


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

```
.border{ border-color:rgb(118, 196, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(118, 196, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 196, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 196, 118); box-shadow:4px 4px 4px 4px rgb(118, 196, 118) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4812, 44.6394, 24.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 196, 118) }
```

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

```
.background{ background-color: rgb(118,  
196, 118) }
```

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