

Converting Colors

XYZ(30.4973, 46.0661, 21.7558)

Have a look what the booklet for
XYZ(30.4973, 46.0661, 21.7558)
contains.

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Color

**XYZ(30.4848, 46.0575,
21.7513)**

Conversions

Conversions Part 1

Format	Color
Hex	73C86D
RGB	115, 200, 109
RGB Percent	45%, 78%, 43%
CMY	0.5490, 0.2157, 0.5725
CMYK	0.43, 0.00, 0.45, 0.22
HSL	116°, 45%, 61%
HSV	116°, 45%, 78%
XYZ	30.4848, 46.0575, 21.7513
YIQ	164.2110, -21.4490, -46.3210

Conversions

Conversions Part 2

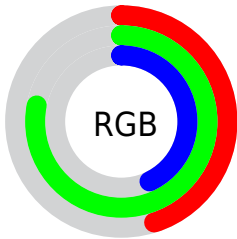
Format	Color
RYB	109, 200, 194
Decimal	7587949
CIELab	73.58, -43.88, 37.54
CIElCh	74, 57.743, 139.452
Yxy	46.0575, 0.3101, 0.4686
Android (android.graphics.Color)	4285778029 (0xFF73C86D)
YUV	164.2110, -27.2190, -43.1580
Hunter-Lab	67.8657, -38.5839, 28.5032

Details

The XYZ color **30.4848, 46.0575, 21.7513** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **38.1444, 26.5783, 57.7657**, and the grayscale version is **35.5210, 37.3709, 40.6969**.

A 20% lighter version of the original color is **59.0762, 82.7866, 47.0482**, and **12.7184, 21.4964, 7.6166** is the 20% darker color. If you saturate the color by 10%, you get **27.3159, 44.5358, 16.6083**, and if you desaturate by 10%, it is **34.3988, 47.9377, 28.2098**.

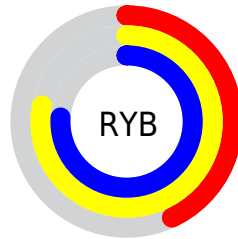
Distribution



Red (45%)

Green (78%)

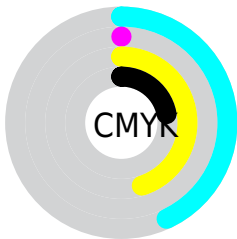
Blue (43%)



Red (43%)

Yellow (78%)

Blue (76%)

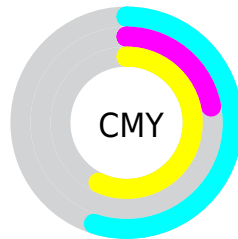


Cyan (43%)

Magenta (0%)

Yellow (45%)

Black (22%)



Cyan (55%)


Magenta (22%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.4848, 46.0575, 21.7513 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 30.4848, 46.0575, 21.7513 by changing the saturation by 10% instead.


 30.4848, 46.0575,
21.7513


 30.4848, 46.0575,
21.7513


296.0272,
371.0398, 274.1557


 20.3568, 32.2912,
13.4777


 59.8094, 84.3050,
47.2315


 12.7644, 21.5840,
7.6237


 79.7367, 109.5551,
65.2752

 7.3424, 13.5516,
3.7708


 103.6610,
139.4018, 87.4127

 3.7254, 7.8094,
1.5005

 131.9479,
174.2296, 114.0625

 1.5480, 3.9733,
0.2183

164.9626,
214.4229, 145.6432

 0.3581, 1.6586,
0.0000

203.0705,

 0.0000, 0.3966,

260.3661, 182.5732

0.0000

246.6369,
312.4436, 225.2712

■ 0.0000, 0.0000,
0.0000

■ 30.4848, 46.0575,
21.7513

■ 30.4848, 46.0575,
21.7513

■ 27.3159, 44.5358,
16.6083

■ 34.3988, 47.9377,
28.2098

■ 24.8416, 43.3445,
12.6876

■ 39.0976, 50.1911,
36.0624

■ 23.0105, 42.4606,
9.8888


■ 44.6218, 52.8383,
45.3850


■ 21.7627, 41.8557,
8.0944


■ 51.0086, 55.8970,
56.2473


■ 21.0264, 41.4961,
7.1598

■ 58.2926, 59.3837,
68.7144

 20.8239, 41.3973,
6.8930

 66.5068, 63.3139,
82.8479

 75.6823, 67.7026,
98.7060

 79.9452, 69.7904,
103.8651

Harmonies

Analogous

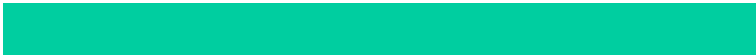
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.5565, 46.0575, 13.6129



30.4848, 46.0575, 21.7513



27.1684, 46.0575, 40.5411

Triad

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



30.4848, 46.0575, 21.7513



40.2786, 46.0575, 128.2555



65.0282, 46.0575, 33.6535

Complementary

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



30.4848, 46.0575, 21.7513



38.1444, 26.5783, 57.7657

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.



66.0610, 46.0575, 61.1657



30.4848, 46.0575, 21.7513



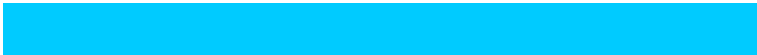
50.6475, 46.0575, 124.0754

Square

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



30.4848, 46.0575, 21.7513



32.2101, 46.0575, 106.1775



60.4591, 46.0575, 96.3190



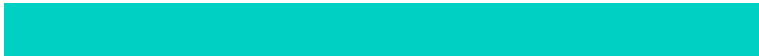
57.8247, 46.0575, 18.4018

Rectangle

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



30.4848, 46.0575, 21.7513



27.1210, 46.0575, 59.9640



60.4591, 46.0575, 96.3190



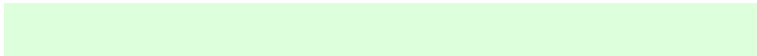
66.1469, 46.0575, 41.4678

Sweetspot

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



30.4859, 46.0594, 21.7523



78.6037, 92.1251, 80.8642



45.8588, 51.9397, 22.0771



16.3405, 19.4867, 16.4881



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.



30.4859, 46.0594, 21.7523



47.1514, 77.0367, 28.5288



32.3421, 46.7137, 35.5105



10.5611, 11.9207, 11.3071



13.2675, 26.3350, 4.3839



0.6513, 1.2589, 0.2087

Inverse Universe

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



38.1444, 26.5783, 57.7657



62.0728, 38.9733, 98.8587



35.6846, 25.7758, 36.6142



11.0114, 10.7797, 13.4178



19.6609, 9.3698, 35.5167



0.9522, 0.4546, 1.6827

Previews

White Background



This preview shows how the XYZ color 30.4848, 46.0575, 21.7513 looks on a white background.

Color Contrast Check

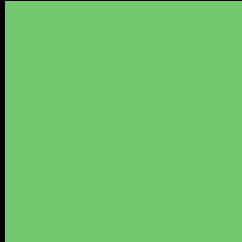
Large Text (above 18pt) WCAG AA × Fail

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 30.4848, 46.0575, 21.7513 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

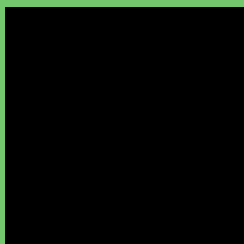
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.4848, 46.0575, 21.7513

Background



This preview shows how black text looks on a background with the XYZ color 30.4848, 46.0575, 21.7513.



This preview shows how white text looks on a background with the XYZ color 30.4848, 46.0575,

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

30.4848, 46.0575, 21.7513

Protanopia

41.7455, 45.4721, 19.1472

Deuteranopia

46.2238, 45.3649, 22.8430



Tritanopia

38.9282, 45.8232, 63.9198

Trichromacy



Original Color

30.4848, 46.0575, 21.7513



Protanomaly

36.2565, 44.7761, 20.0963



Deuteranomaly

38.2990, 44.2319, 22.1418



Tritanomaly

34.9838, 45.5165, 44.4778

Monochromacy



Original Color

30.4848, 46.0575, 21.7513



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.6102, 39.5689, 32.3044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4848, 46.0575, 21.7513 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(115, 200, 109)` looks like.

```
.text, #text, p{  
    color:rgb(115, 200, 109)  
}
```

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(115, 200, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 200, 109) }
```

Border

The CSS property to change the border of an element to XYZ 30.4848, 46.0575, 21.7513 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(115, 200, 109) }
```


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

```
.border{ border-color:rgb(115, 200, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 200, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 200, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 200, 109);  
box-shadow:4px 4px 4px 4px rgb(115, 200,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4848, 46.0575, 21.7513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 200, 109) }
```

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

```
.background{ background-color: rgb(115,  
200, 109) }
```

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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