

Converting Colors

XYZ(30.4499, 46.3096, 19.4580)

Have a look what the booklet for
XYZ(30.4499, 46.3096, 19.4580)
contains.

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Color

**XYZ(30.5230, 46.4753,
19.4185)**

Conversions

Conversions Part 1

Format	Color
Hex	75C964
RGB	117, 201, 100
RGB Percent	46%, 79%, 39%
CMY	0.5412, 0.2117, 0.6078
CMYK	0.42, 0.00, 0.50, 0.21
HSL	110°, 48%, 59%
HSV	110°, 50%, 79%
XYZ	30.5230, 46.4753, 19.4185
YIQ	164.3700, -17.6430, -49.2190

Conversions

Conversions Part 2

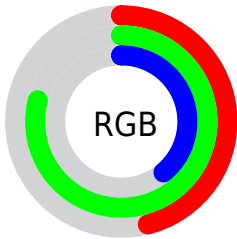
Format	Color
RYB	100, 201, 184
Decimal	7719268
CIELab	73.85, -44.90, 42.34
CIELCh	74, 61.714, 136.678
Yxy	46.4753, 0.3166, 0.4820
Android (android.graphics.Color)	4285909348 (0xFF75C964)
YUV	164.3700, -31.7344, -41.5435
Hunter-Lab	68.1728, -39.3826, 30.8327

Details

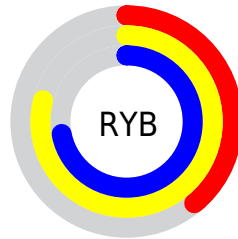
The XYZ color **30.5230, 46.4753, 19.4185** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **34.8693, 23.5233, 57.9635**, and the grayscale version is **35.6166, 37.4714, 40.8064**.

A 20% lighter version of the original color is **58.7433, 82.7041, 43.0044**, and **12.7577, 21.7716, 6.4357** is the 20% darker color. If you saturate the color by 10%, you get **27.6188, 45.0784, 14.8159**, and if you desaturate by 10%, it is **34.0707, 48.1790, 25.3059**.

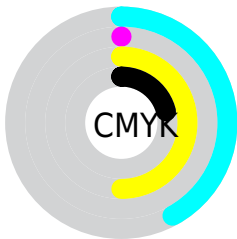
Distribution



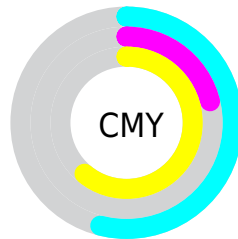
- Red (46%)
- Green (79%)
- Blue (39%)



- Red (39%)
- Yellow (79%)
- Blue (72%)



- Cyan (42%)
- Magenta (0%)
- Yellow (50%)
- Black (21%)



- Cyan (54%)
- Magenta (21%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5230, 46.4753, 19.4185 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 30.5230, 46.4753, 19.4185 by changing the saturation by 10% instead.

■ 30.5230, 46.4753,
19.4185

■ 30.5230, 46.4753,
19.4185

296.2010,
372.7162, 261.2488

■ 20.3859, 32.6211,
11.7932

■ 59.8693, 84.9299,
43.2862

■ 12.7858, 21.8363,
6.4822

■ 79.8092, 110.2990,
60.3656

■ 7.3572, 13.7367,
3.0670

■ 103.7474,
140.2752, 81.4335

■ 3.7348, 7.9377,
1.1289

■ 132.0493,
175.2429, 106.9084

■ 1.5532, 4.0551,
0.0000

165.0803,
215.5864, 137.2088

■ 0.3616, 1.7045,
0.0000

203.2057,

■ 0.0000, 0.4265,

261.6902, 172.7533

0.0000

246.7908,
313.9387, 213.9605

■ 0.0000, 0.0000,
0.0000

■ 30.5230, 46.4753,
19.4185

■ 30.5230, 46.4753,
19.4185

■ 27.6188, 45.0784,
14.8159

■ 34.0707, 48.1790,
25.3059

■ 25.3153, 43.9641,
11.3992

■ 38.2943, 50.2001,
32.5610

■ 23.5698, 43.1143,
9.0606

■ 43.2282, 52.5561,
41.2633

■ 22.3321, 42.5057,
7.6708

■ 48.9034, 55.2614,
51.4854

■ 21.5416, 42.1123,
6.9931

■ 55.3491, 58.3296,
63.2950

■ 62.5927, 61.7734,
76.7557

■ 70.6605, 65.6050,
91.9276

■ 78.6284, 69.4565,
103.8700

■ 80.1776, 70.2552,
103.9425

Harmonies

Analogous

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



38.3860, 46.4753, 11.9667



30.5230, 46.4753, 19.4185



26.6466, 46.4753, 37.9085

Triad

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



30.5230, 46.4753, 19.4185



39.4841, 46.4753, 135.2127



67.6464, 46.4753, 35.1562

Complementary

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



30.5230, 46.4753, 19.4185



34.8693, 23.5233, 57.9635

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.



68.0725, 46.4753, 65.8573



30.5230, 46.4753, 19.4185



50.5150, 46.4753, 133.4553

Square

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



30.5230, 46.4753, 19.4185



31.2115, 46.4753, 108.5834



61.3856, 46.4753, 104.4703



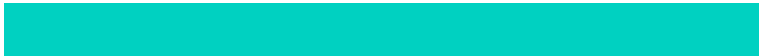
60.3031, 46.4753, 18.1259

Rectangle

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



30.5230, 46.4753, 19.4185



26.3443, 46.4753, 57.9671



61.3856, 46.4753, 104.4703



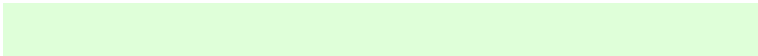
68.6411, 46.4753, 43.8918

Sweetspot

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



30.5241, 46.4773, 19.4195



78.7410, 92.2345, 79.1282



43.2168, 46.9940, 18.8503



16.4154, 19.5330, 16.1487



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.



30.5241, 46.4773, 19.4195



47.0225, 77.0490, 24.9640



30.3074, 46.1503, 29.1355



10.6611, 11.9722, 11.3117



13.5971, 26.5049, 4.3993



0.6970, 1.2824, 0.2108

Inverse Universe

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



34.8693, 23.5233, 57.9635



55.1948, 33.4222, 98.1498



35.8093, 24.3983, 40.3681



10.9012, 10.7228, 13.4126



16.7392, 7.8636, 35.3799



0.8403, 0.3970, 1.6775

Previews

White Background



This preview shows how the XYZ color 30.5230, 46.4753, 19.4185 looks on a white background.

Color Contrast Check

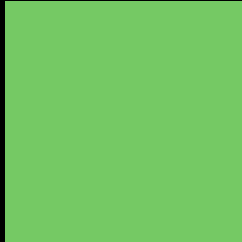
Large Text (above 18pt) WCAG AA × Fail

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 30.5230, 46.4753, 19.4185 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

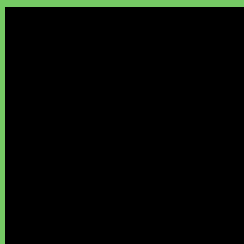
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5230, 46.4753, 19.4185

Background



This preview shows how black text looks on a background with the XYZ color 30.5230, 46.4753, 19.4185.



This preview shows how white text looks on a background with the XYZ color 30.5230, 46.4753,

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

30.5230, 46.4753, 19.4185

Protanopia

42.0528, 45.9802, 17.0146

Deuteranopia

46.6198, 45.6267, 20.2596



Tritanopia

39.3704, 46.0372, 64.5686

Trichromacy



Original Color

30.5230, 46.4753, 19.4185

Protanomaly

36.4567, 45.2460, 17.8782

Deuteranomaly

38.7236, 44.8115, 19.7052

Tritanomaly

35.0983, 45.5971, 43.5105

Monochromacy



Original Color

30.5230, 46.4753, 19.4185

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.5625, 39.5704, 31.1209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5230, 46.4753, 19.4185 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(117, 201, 100)` looks like.

```
.text, #text, p{  
    color:rgb(117, 201, 100)  
}
```

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(117, 201, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 201, 100) }
```

Border

The CSS property to change the border of an element to XYZ 30.5230, 46.4753, 19.4185 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(117, 201, 100) }
```


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

```
.border{ border-color:rgb(117, 201, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 201, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 201, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 201, 100);  
box-shadow:4px 4px 4px 4px rgb(117, 201,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5230, 46.4753, 19.4185 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 201, 100) }
```

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

```
.background{ background-color: rgb(117,  
201, 100) }
```

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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