

Converting Colors

XYZ(30.9531, 46.1400, 13.4130)

Have a look what the booklet for
XYZ(30.9531, 46.1400, 13.4130)
contains.

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Color

**XYZ(30.9532, 46.1400,
13.4054)**

Conversions

Conversions Part 1

Format	Color
Hex	83C748
RGB	131, 199, 72
RGB Percent	51%, 78%, 28%
CMY	0.4863, 0.2196, 0.7176
CMYK	0.34, 0.00, 0.64, 0.22
HSL	92°, 53%, 53%
HSV	92°, 64%, 78%
XYZ	30.9532, 46.1400, 13.4054
YIQ	164.1900, 0.2390, -53.9130

Conversions

Conversions Part 2

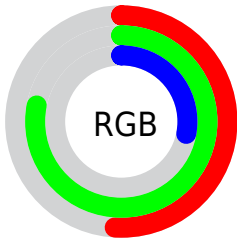
Format	Color
R_{YB}	72, 199, 140
Decimal	8636232
CIE _{Lab}	73.64, -42.36, 55.05
CIE _{LCh}	74, 69.463, 127.580
Yxy	46.1400, 0.3420, 0.5098
Android (android.graphics.Color)	4286826312 (0xFF83C748)
YUV	164.1900, -45.4497, -29.1076
Hunter-Lab	67.9264, -37.5311, 35.8475

Details

The XYZ color **30.9532, 46.1400, 13.4054** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **23.4435, 14.3351, 55.5667**, and the grayscale version is **35.5880, 37.4413, 40.7736**.

A 20% lighter version of the original color is **60.2649, 83.7177, 32.7215**, and **13.0764, 21.7664, 3.7706** is the 20% darker color. If you saturate the color by 10%, you get **28.8401, 45.1154, 10.4492**, and if you desaturate by 10%, it is **33.4484, 47.3402, 17.4780**.

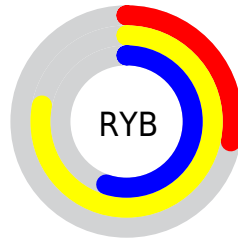
Distribution



Red (51%)

Green (78%)

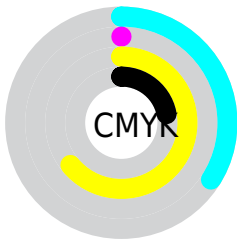
Blue (28%)



Red (28%)

Yellow (78%)

Blue (55%)

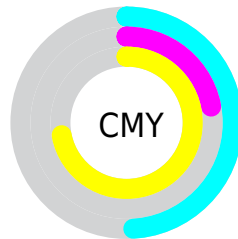


Cyan (34%)

Magenta (0%)

Yellow (64%)

Black (22%)



Cyan (49%)

Magenta (22%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9532, 46.1400, 13.4054 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 30.9532, 46.1400, 13.4054 by changing the saturation by 10% instead.

■ 30.9532, 46.1400,
13.4054

■ 30.9532, 46.1400,
13.4054

298.1534,
371.3712, 224.7980

■ 20.7149, 32.3563,
7.5743

■ 60.5427, 84.4285,
32.7320

■ 13.0270, 21.6338,
3.7399

■ 80.6246, 109.7021,
47.0646

■ 7.5243, 13.5881,
1.4838

■ 104.7184,
139.5744, 65.0681

■ 3.8413, 7.8347,
0.2058

■ 133.1895,
174.4299, 87.1610

■ 1.6128, 3.9894,
0.0000

■ 166.4032,
214.6529, 113.7619

■ 0.4007, 1.6676,
0.0000

204.7248,

■ 0.0000, 0.4026,

260.6279, 145.2894

0.0000

248.5197,
312.7392, 182.1619

■ 0.0000, 0.0000,
0.0000

■ 30.9532, 46.1400,
13.4054

■ 30.9532, 46.1400,
13.4054

■ 28.8401, 45.1154,
10.4492

■ 33.4484, 47.3402,
17.4780

■ 27.0795, 44.2492,
8.4947

■ 36.3455, 48.7198,
22.7606

■ 25.6417, 43.5305,
7.4084

■ 39.6668, 50.2898,
29.3404

■ 24.8826, 43.1470,
7.0168

■ 43.4315, 52.0584,
37.2959

■ 47.6577, 54.0333,
46.6991

■ 52.3623, 56.2218,
57.6172

■ 57.5612, 58.6308,
70.1130

■ 63.2697, 61.2667,
84.2459

■ 69.5022, 64.1359,
100.0721

Harmonies

Analogous

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



40.8081, 46.1400, 8.5635



30.9532, 46.1400, 13.4054



25.4219, 46.1400, 28.5779

Triad

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



30.9532, 46.1400, 13.4054



35.4377, 46.1400, 142.4817



71.7283, 46.1400, 41.8226

Complementary

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



30.9532, 46.1400, 13.4054



23.4435, 14.3351, 55.5667

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.



69.5554, 46.1400, 80.7575



30.9532, 46.1400, 13.4054



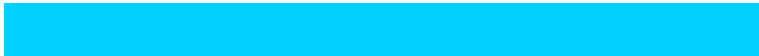
47.0492, 46.1400, 151.7495

Square

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



30.9532, 46.1400, 13.4054



27.6532, 46.1400, 103.9109



59.9195, 46.1400, 125.3182



65.3980, 46.1400, 19.2152

Rectangle

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



30.9532, 46.1400, 13.4054



24.2132, 46.1400, 47.4317



59.9195, 46.1400, 125.3182



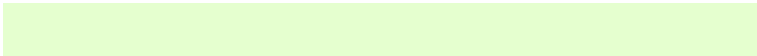
71.9862, 46.1400, 53.1541

Sweetspot

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



30.9543, 46.1420, 13.4064



79.2987, 92.6704, 72.4511



34.0639, 31.2901, 10.3758



16.5233, 19.6248, 14.5157



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.



30.9543, 46.1420, 13.4064



49.0926, 78.3030, 16.6168



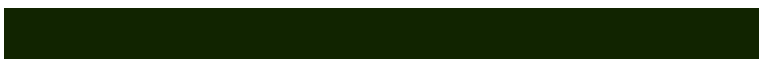
24.4099, 42.7518, 13.8462



10.9580, 12.1253, 11.3256



16.0983, 27.7943, 4.5164



0.8456, 1.3590, 0.2178

Inverse Universe

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



23.4435, 14.3351, 55.5667



34.8623, 18.1821, 96.2798



35.6964, 20.7077, 53.6096



10.5900, 10.5624, 13.3981



10.5956, 4.6965, 35.0924



0.5847, 0.2652, 1.6655

Previews

White Background



This preview shows how the XYZ color 30.9532, 46.1400, 13.4054 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 30.9532, 46.1400, 13.4054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

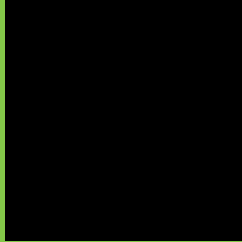
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9532, 46.1400, 13.4054

Background



This preview shows how black text looks on a background with the XYZ color 30.9532, 46.1400, 13.4054.



This preview shows how white text looks on a background with the XYZ color 30.9532, 46.1400,

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

30.9532, 46.1400, 13.4054

Protanopia

41.4218, 45.4653, 11.9027

Deuteranopia

46.4795, 45.4079, 14.0994



Tritanopia

40.6792, 45.8189, 61.9582

Trichromacy



Original Color

30.9532, 46.1400, 13.4054

Protanomaly

36.7490, 45.2004, 12.4179

Deuteranomaly

39.1342, 44.5450, 13.7432

Tritanomaly

35.7912, 45.4343, 37.4552

Monochromacy



Original Color

30.9532, 46.1400, 13.4054

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

32.7678, 39.7584, 27.4198

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9532, 46.1400, 13.4054 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(131, 199, 72)` looks like.

```
.text, #text, p{  
    color:rgb(131, 199, 72)  
}
```

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(131, 199, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 199, 72) }
```

Border

The CSS property to change the border of an element to XYZ 30.9532, 46.1400, 13.4054 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(131, 199, 72) }
```


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

```
.border{ border-color:rgb(131, 199, 72) }
```

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

Here you see how a box with a 4 pixel rgb(131, 199, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 199, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 199, 72);  
box-shadow:4px 4px 4px 4px rgb(131, 199,  
72) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9532, 46.1400, 13.4054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 199, 72) }
```

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

```
.background{ background-color: rgb(131,  
199, 72) }
```

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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