

Converting Colors

XYZ(30.5998, 46.8797, 18.1324)

Have a look what the booklet for
XYZ(30.5998, 46.8797, 18.1324)
contains.

XYZ(30.6121, 46.9008, 18.0290)	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(30.6121, 46.9008,
18.0290)**

Conversions

Conversions Part 1

Format	Color
Hex	76CA5E
RGB	118, 202, 94
RGB Percent	46%, 79%, 37%
CMY	0.5373, 0.2078, 0.6314
CMYK	0.42, 0.00, 0.53, 0.21
HSL	107°, 50%, 58%
HSV	107°, 53%, 79%
XYZ	30.6121, 46.9008, 18.0290
YIQ	164.5720, -15.3960, -51.3960

Conversions

Conversions Part 2

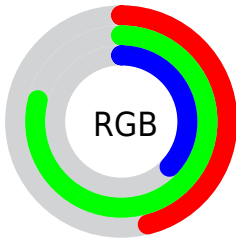
Format	Color
RYB	94, 202, 178
Decimal	7785054
CIELab	74.13, -45.74, 45.57
CIELCh	74, 64.565, 135.112
Yxy	46.9008, 0.3204, 0.4909
Android (android.graphics.Color)	4285975134 (0xFF76CA5E)
YUV	164.5720, -34.7920, -40.8436
Hunter-Lab	68.4842, -40.0586, 32.3303

Details

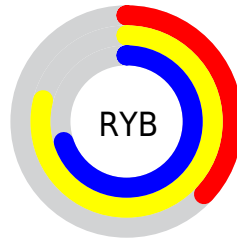
The XYZ color **30.6121, 46.9008, 18.0290** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted chartreuse. A complement of this color would be **33.0259, 21.7362, 58.3346**, and the grayscale version is **35.7267, 37.5873, 40.9326**.

A 20% lighter version of the original color is **58.4820, 82.6253, 40.4697**, and **12.7761, 22.0267, 5.7687** is the 20% darker color. If you saturate the color by 10%, you get **27.8631, 45.5764, 13.7723**, and if you desaturate by 10%, it is **33.9560, 48.5073, 23.5535**.

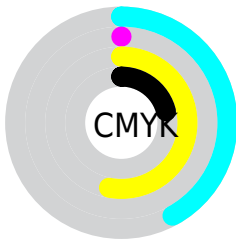
Distribution



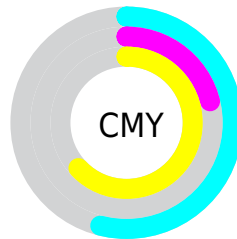
- Red (46%)
- Green (79%)
- Blue (37%)



- Red (37%)
- Yellow (79%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (53%)
- Black (21%)



- Cyan (54%)
- Magenta (21%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6121, 46.9008, 18.0290 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 30.6121, 46.9008, 18.0290 by changing the saturation by 10% instead.

■ 30.6121, 46.9008,
18.0290

■ 30.6121, 46.9008,
18.0290

296.6062,
374.4184, 253.2761

■ 20.4540, 32.9572,
10.8012

■ 60.0088, 85.5655,
40.9013

■ 12.8357, 22.0937,
5.8208

■ 79.9782, 111.0555,
57.3829

■ 7.3917, 13.9258,
2.6694

■ 103.9488,
141.1630, 77.7861

■ 3.7568, 8.0690,
0.9280

■ 132.2858,
176.2726, 102.5296

■ 1.5655, 4.1392,
0.0000

165.3547,
216.7685, 132.0317

■ 0.3697, 1.7517,
0.0000

203.5208,

■ 0.0000, 0.4568,

263.0352, 166.7112

0.0000

247.1495,
315.4570, 206.9864

■ 0.0000, 0.0000,
0.0000

■ 30.6121, 46.9008,
18.0290

■ 30.6121, 46.9008,
18.0290

■ 27.8631, 45.5764,
13.7723

■ 33.9560, 48.5073,
23.5535

■ 25.6691, 44.5115,
10.6799

■ 37.9248, 50.4051,
30.4325

■ 23.9902, 43.6896,
8.6370

■ 42.5501, 52.6103,
38.7485

■ 22.7793, 43.0891,
7.5041

■ 47.8607, 55.1359,
48.5767

■ 22.1986, 42.7983,
7.0909

■ 53.8834, 57.9944,
59.9869

■ 60.6436, 61.1975,
73.0446

■ 68.1656, 64.7561,
87.8116

■ 76.3745, 68.6419,
103.8316

■ 80.4115, 70.7230,
104.0205

Harmonies

Analogous

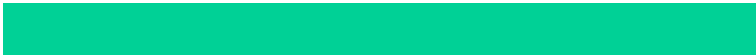
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



39.0308, 46.9008, 10.9680



30.6121, 46.9008, 18.0290



26.3629, 46.9008, 36.3955

Triad

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



30.6121, 46.9008, 18.0290



39.1074, 46.9008, 140.5946



69.6630, 46.9008, 36.2048

Complementary

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



30.6121, 46.9008, 18.0290



33.0259, 21.7362, 58.3346

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.



69.6931, 46.9008, 69.2307



30.6121, 46.9008, 18.0290



50.6270, 46.9008, 140.4686

Square

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



30.6121, 46.9008, 18.0290



30.6598, 46.9008, 110.7444



62.2520, 46.9008, 110.4509



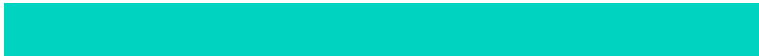
62.1755, 46.9008, 17.9416

Rectangle

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



30.6121, 46.9008, 18.0290



25.9021, 46.9008, 56.9509



62.2520, 46.9008, 110.4509



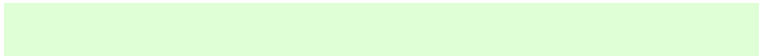
70.5830, 46.9008, 45.6030

Sweetspot

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



30.6132, 46.9028, 18.0300



78.4364, 92.1154, 77.3983



42.0622, 44.7322, 17.0076



16.3808, 19.5226, 15.8093



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.



30.6132, 46.9028, 18.0300



46.5944, 76.8832, 22.4636



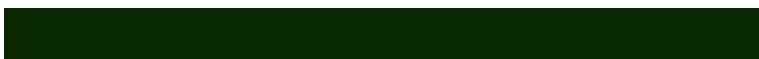
29.3008, 46.0480, 26.0182



11.2973, 12.6551, 11.9267



14.3476, 27.5718, 4.5657



0.8075, 1.4571, 0.2387

Inverse Universe

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



33.0259, 21.7362, 58.3346



50.9946, 29.8592, 97.6834



35.9238, 23.5881, 42.2983



11.4342, 11.2732, 14.1437



15.9014, 7.4050, 36.5475



0.8821, 0.4139, 1.8883

Previews

White Background



This preview shows how the XYZ color 30.6121, 46.9008, 18.0290 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 30.6121, 46.9008, 18.0290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

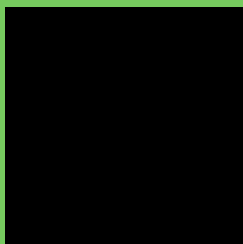
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6121, 46.9008, 18.0290

Background



This preview shows how black text looks on a background with the XYZ color 30.6121, 46.9008, 18.0290.



This preview shows how white text looks on a background with the XYZ color 30.6121, 46.9008,

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

30.6121, 46.9008, 18.0290

Protanopia

42.3316, 46.1534, 15.6942

Deuteranopia

47.1606, 46.2186, 19.0058



Tritanopia

39.9141, 46.6380, 64.6559

Trichromacy



Original Color

30.6121, 46.9008, 18.0290



Protanomaly

36.8376, 45.7913, 16.5699



Deuteranomaly

39.1598, 45.3722, 18.4981



Tritanomaly

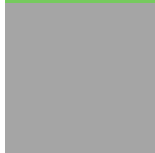
35.4434, 46.1255, 42.6324

Monochromacy



Original Color

30.6121, 46.9008, 18.0290



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.7933, 40.0008, 30.4186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6121, 46.9008, 18.0290 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, 202, 94)` looks like.

```
.text, #text, p{  
    color:rgb(118, 202, 94)  
}
```

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, 202, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 202, 94) }
```

Border

The CSS property to change the border of an element to XYZ 30.6121, 46.9008, 18.0290 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, 202, 94) }
```


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

```
.border{ border-color:rgb(118, 202, 94) }
```

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

Here you see how a box with a 4 pixel rgb(118, 202, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 202, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 202, 94);  
box-shadow:4px 4px 4px 4px rgb(118, 202,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6121, 46.9008, 18.0290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 202, 94) }
```

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

```
.background{ background-color: rgb(118,  
202, 94) }
```

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