

Converting Colors

XYZ(30.4652, 49.2408, 19.2492)

Have a look what the booklet for
XYZ(30.4652, 49.2408, 19.2492)
contains.

XYZ(30.5517, 49.3476, 19.2241)	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(30.5517, 49.3476,
19.2241)**

Conversions

Conversions Part 1

Format	Color
Hex	67D161
RGB	103, 209, 97
RGB Percent	40%, 82%, 38%
CMY	0.5961, 0.1804, 0.6196
CMYK	0.51, 0.00, 0.54, 0.18
HSL	117°, 55%, 60%
HSV	117°, 54%, 82%
XYZ	30.5517, 49.3476, 19.2241
YIQ	164.5380, -27.2240, -57.3040

Conversions

Conversions Part 2

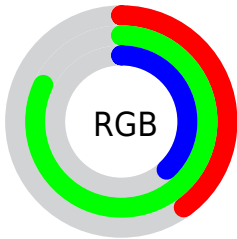
Format	Color
RYB	97, 209, 203
Decimal	6803809
CIELab	75.67, -52.61, 45.85
CIELCh	76, 69.784, 138.930
Yxy	49.3476, 0.3082, 0.4978
Android (android.graphics.Color)	4284993889 (0xFF67D161)
YUV	164.5380, -33.2962, -53.9688
Hunter-Lab	70.2478, -45.3018, 32.9481

Details

The XYZ color **30.5517, 49.3476, 19.2241** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **40.4145, 25.8511, 63.1839**, and the grayscale version is **35.7077, 37.5672, 40.9107**.

A 20% lighter version of the original color is **55.9630, 81.2991, 41.5969**, and **12.8660, 23.7320, 6.3853** is the 20% darker color. If you saturate the color by 10%, you get **27.6962, 47.9752, 14.6566**, and if you desaturate by 10%, it is **34.2030, 51.1035, 25.1708**.

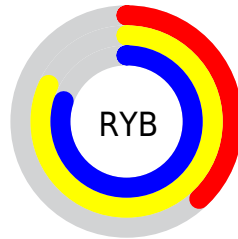
Distribution



Red (40%)

Green (82%)

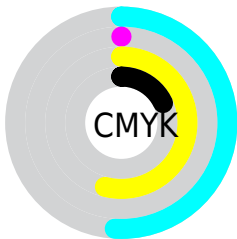
Blue (38%)



Red (38%)

Yellow (82%)

Blue (80%)

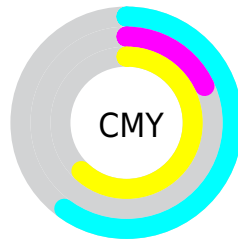


Cyan (51%)

Magenta (0%)

Yellow (54%)

Black (18%)



Cyan (60%)

Magenta (18%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.5517, 49.3476, 19.2241 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 30.5517, 49.3476, 19.2241 by changing the saturation by 10% instead.

■ 30.5517, 49.3476,
19.2241

■ 30.5517, 49.3476,
19.2241

296.3316,
384.1091, 260.1470

■ 20.4079, 34.8953,
11.6539

■ 59.9142, 89.2075,
42.9542

■ 12.8019, 23.5822,
6.3888

■ 79.8636, 115.3839,
59.9511

■ 7.3683, 15.0240,
3.0103

■ 103.8123,
146.2371, 80.9273

■ 3.7419, 8.8362,
1.0999

■ 132.1255,
182.1515, 106.3014

■ 1.5572, 4.6345,
0.0000

165.1687,
223.5115, 136.4918

■ 0.3642, 2.0345,
0.0000

203.3072,

■ 0.0000, 0.6274,

270.7015, 171.9172

0.0000

246.9064,
324.1059, 212.9961

■ 0.0000, 0.0000,
0.0000

■ 30.5517, 49.3476,
19.2241

■ 30.5517, 49.3476,
19.2241

■ 27.6962, 47.9752,
14.6566

■ 34.2030, 51.1035,
25.1708

■ 25.5739, 46.9520,
11.3547

■ 38.6996, 53.2620,
32.5920

■ 24.1186, 46.2481,
9.1919

■ 44.0912, 55.8482,
41.5783

■ 23.2505, 45.8257,
8.0143

■ 50.4226, 58.8833,
52.2119

■ 22.9420, 45.6754,
7.6071

■ 57.7356, 62.3874,
64.5695

■ 66.0695, 66.3790,
78.7229

■ 75.4615, 70.8760,
94.7398

■ 82.0915, 74.0829,
104.5805

Harmonies

Analogous

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



39.2945, 49.3476, 10.6111



30.5517, 49.3476, 19.2241



26.4974, 49.3476, 41.1907

Triad

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



30.5517, 49.3476, 19.2241



42.2915, 49.3476, 158.2185



74.5569, 49.3476, 33.7915

Complementary

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



30.5517, 49.3476, 19.2241



40.4145, 25.8511, 63.1839

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.



75.7641, 49.3476, 68.5889



30.5517, 49.3476, 19.2241



55.4361, 49.3476, 153.0881

Square

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



30.5517, 49.3476, 19.2241



32.3975, 49.3476, 127.2319



68.2445, 49.3476, 115.3667



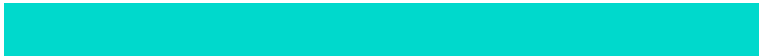
65.1983, 49.3476, 15.9531

Rectangle

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



30.5517, 49.3476, 19.2241



26.3873, 49.3476, 65.5531



68.2445, 49.3476, 115.3667



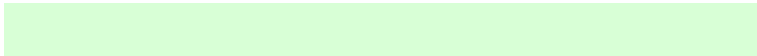
75.9863, 49.3476, 43.4235

Sweetspot

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



30.5529, 49.3497, 19.2252



76.3559, 91.0429, 77.3010



49.4656, 56.4433, 19.5976



15.8917, 19.2704, 15.7864



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.



30.5529, 49.3497, 19.2252



42.9984, 75.0294, 22.2953



32.8839, 50.2054, 34.9631



11.7140, 13.2360, 12.5495



14.1709, 28.1743, 4.6913



0.8134, 1.5862, 0.2633

Inverse Universe

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



40.4145, 25.8511, 63.1839



59.9574, 34.4797, 98.1029



36.9571, 24.6605, 36.2860



12.2457, 11.9755, 14.9097



21.4511, 10.2387, 38.0382



1.2190, 0.5826, 2.1278

Previews

White Background



This preview shows how the XYZ color 30.5517, 49.3476, 19.2241 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 30.5517, 49.3476, 19.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

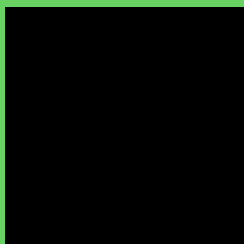
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.5517, 49.3476, 19.2241

Background



This preview shows how black text looks on a background with the XYZ color 30.5517, 49.3476, 19.2241.



This preview shows how white text looks on a background with the XYZ color 30.5517, 49.3476,

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

30.5517, 49.3476, 19.2241

Protanopia

44.3290, 48.3983, 16.4566

Deuteranopia

49.6360, 48.6330, 20.1356



Tritanopia

40.6023, 49.1980, 69.6435

Trichromacy



Original Color

30.5517, 49.3476, 19.2241



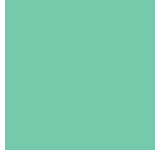
Protanomaly

37.3720, 47.6811, 17.3589



Deuteranomaly

39.6519, 47.1783, 19.5868



Tritanomaly

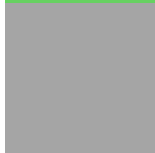
35.6136, 48.5271, 45.5198

Monochromacy



Original Color

30.5517, 49.3476, 19.2241



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

32.4128, 40.6920, 30.9569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.5517, 49.3476, 19.2241 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(103, 209, 97)` looks like.

```
.text, #text, p{  
    color:rgb(103, 209, 97)  
}
```

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(103, 209, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 209, 97) }
```

Border

The CSS property to change the border of an element to XYZ 30.5517, 49.3476, 19.2241 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(103, 209, 97) }
```


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

```
.border{ border-color:rgb(103, 209, 97) }
```

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

Here you see how a box with a 4 pixel rgb(103, 209, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 209, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 209, 97);  
box-shadow:4px 4px 4px 4px rgb(103, 209,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 30.5517, 49.3476, 19.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 209, 97) }
```

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

```
.background{ background-color: rgb(103,  
209, 97) }
```

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