

Converting Colors

XYZ(30.3849, 49.7740, 20.8187)

Have a look what the booklet for
XYZ(30.3849, 49.7740, 20.8187)
contains.

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Color

**XYZ(30.3186, 49.5593,
20.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	60D267
RGB	96, 210, 103
RGB Percent	38%, 82%, 40%
CMY	0.6235, 0.1765, 0.5961
CMYK	0.54, 0.00, 0.51, 0.18
HSL	124°, 56%, 60%
HSV	124°, 54%, 82%
XYZ	30.3186, 49.5593, 20.7999
YIQ	163.7160, -33.5970, -57.4450

Conversions

Conversions Part 2

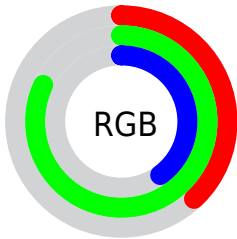
Format	Color
RYB	96, 203, 210
Decimal	6345319
CIELab	75.80, -54.05, 43.09
CIELCh	76, 69.120, 141.438
Yxy	49.5593, 0.3011, 0.4923
Android (android.graphics.Color)	4284535399 (0xFF60D267)
YUV	163.7160, -29.9330, -59.3869
Hunter-Lab	70.3984, -46.3222, 31.7610

Details

The XYZ color **30.3186, 49.5593, 20.7999** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **41.5420, 26.3798, 59.4030**, and the grayscale version is **35.3017, 37.1402, 40.4456**.

A 20% lighter version of the original color is **55.2783, 80.8889, 44.1521**, and **12.6014, 23.5787, 7.1358** is the 20% darker color. If you saturate the color by 10%, you get **27.5219, 48.2201, 16.0998**, and if you desaturate by 10%, it is **33.9410, 51.3001, 26.7580**.

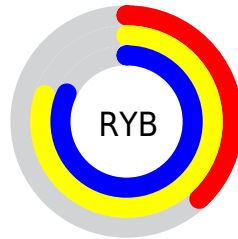
Distribution



Red (38%)

Green (82%)

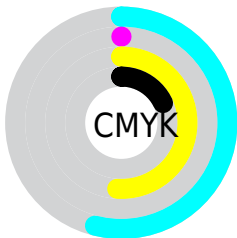
Blue (40%)



Red (38%)

Yellow (80%)

Blue (82%)

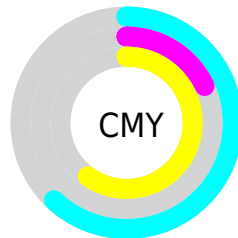


Cyan (54%)

Magenta (0%)

Yellow (51%)

Black (18%)



Cyan (62%)


Magenta (18%)


Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3186, 49.5593, 20.7999 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 30.3186, 49.5593, 20.7999 by changing the saturation by 10% instead.


 30.3186, 49.5593,
20.7999


 30.3186, 49.5593,
20.7999


295.2700,
384.9400, 268.9592

 20.2298, 35.0634,
12.7880


 59.5488, 89.5216,
45.6307


 12.6714, 23.7117,
7.1537


 79.4210, 115.7567,
63.2867

 7.2781, 15.1199,
3.4785


 103.2850,
146.6737, 84.9945

 3.6845, 8.9036,
1.3439

 131.5062,
182.6569, 111.1727

 1.5252, 4.6783,
0.0973

164.4499,
224.0907, 142.2396

 0.3429, 2.0598,
0.0000

202.4816,

 0.0000, 0.6419,

271.3596, 178.6140

0.0000

245.9664,
324.8479, 220.7144

■ 0.0000, 0.0000,
0.0000

■ 30.3186, 49.5593,
20.7999

■ 30.3186, 49.5593,
20.7999

■ 27.5219, 48.2201,
16.0998

■ 33.9410, 51.3001,
26.7580

■ 25.4825, 47.2449,
12.5645

■ 38.4434, 53.4643,
34.0518

■ 24.1270, 46.5994,
10.0932

■ 43.8795, 56.0797,
42.7568

■ 23.3658, 46.2400,
8.5667

■ 50.2978, 59.1697,
52.9417

■ 23.1196, 46.1240,
8.0617

■ 57.7436, 62.7563,
64.6711

■ 66.2591, 66.8599,
78.0052

■ 75.8844, 71.4999,
93.0015

■ 82.3376, 74.5752,
104.6625

Harmonies

Analogous

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



38.6460, 49.5593, 11.2808



30.3186, 49.5593, 20.7999



26.6679, 49.5593, 44.1056

Triad

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



30.3186, 49.5593, 20.7999



43.5241, 49.5593, 158.4086



74.0212, 49.5593, 32.0270

Complementary

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



30.3186, 49.5593, 20.7999



41.5420, 26.3798, 59.4030

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.



75.9747, 49.5593, 65.1865



30.3186, 49.5593, 20.7999



56.7154, 49.5593, 150.1439

Square

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



30.3186, 49.5593, 20.7999



33.3313, 49.5593, 130.2693



69.1639, 49.5593, 111.1184



64.2293, 49.5593, 15.4093

Rectangle

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



30.3186, 49.5593, 20.7999



26.8154, 49.5593, 69.2307



69.1639, 49.5593, 111.1184



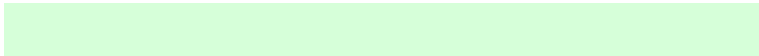
75.6792, 49.5593, 41.1209

Sweetspot

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



30.3198, 49.5614, 20.8010



76.0362, 90.8407, 78.9720



50.1442, 59.8201, 19.9699



15.8169, 19.2231, 16.1776



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.



30.3198, 49.5614, 20.8010



42.1767, 74.5654, 24.0824



34.1037, 51.0749, 40.7266



11.6853, 13.2179, 12.6994



14.1147, 28.1388, 4.9843



0.7998, 1.5776, 0.3343

Inverse Universe

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



41.5420, 26.3798, 59.4030



61.2869, 35.0279, 89.7719



36.0526, 24.1841, 30.4959



12.2781, 11.9960, 14.7405



22.3807, 10.8251, 33.2404



1.2611, 0.6092, 1.9098

Previews

White Background



This preview shows how the XYZ color 30.3186, 49.5593, 20.7999 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 30.3186, 49.5593, 20.7999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

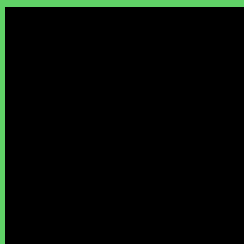
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3186, 49.5593, 20.7999

Background



This preview shows how black text looks on a background with the XYZ color 30.3186, 49.5593, 20.7999.



This preview shows how white text looks on a background with the XYZ color 30.3186, 49.5593,

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

30.3186, 49.5593, 20.7999

Protanopia

44.8013, 48.9232, 17.9083

Deuteranopia

49.6427, 48.5995, 21.8031



Tritanopia

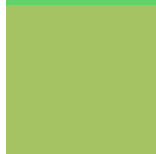
40.3577, 49.3808, 71.0227

Trichromacy



Original Color

30.3186, 49.5593, 20.7999



Protanomaly

37.2368, 47.9114, 18.8405



Deuteranomaly

39.2645, 46.9429, 21.1788



Tritanomaly

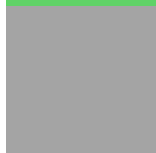
35.5706, 48.8078, 47.5905

Monochromacy



Original Color

30.3186, 49.5593, 20.7999



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.0538, 40.4897, 31.7171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3186, 49.5593, 20.7999 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(96, 210, 103)` looks like.

```
.text, #text, p{  
    color:rgb(96, 210, 103)  
}
```

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(96, 210, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 210, 103) }
```

Border

The CSS property to change the border of an element to XYZ 30.3186, 49.5593, 20.7999 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(96, 210, 103) }
```


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

```
.border{ border-color:rgb(96, 210, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 210, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 210, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 210, 103);  
box-shadow:4px 4px 4px 4px rgb(96, 210,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3186, 49.5593, 20.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 210, 103) }
```

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

```
.background{ background-color: rgb(96, 210,  
103) }
```

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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