

Converting Colors

XYZ(30.4628, 44.3490, 21.7071)

Have a look what the booklet for
XYZ(30.4628, 44.3490, 21.7071)
contains.

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Color

**XYZ(30.4980, 44.3670,
21.7081)**

Conversions

Conversions Part 1

Format	Color
Hex	7BC36E
RGB	123, 195, 110
RGB Percent	48%, 76%, 43%
CMY	0.5176, 0.2353, 0.5686
CMYK	0.37, 0.00, 0.44, 0.24
HSL	111°, 41%, 60%
HSV	111°, 44%, 76%
XYZ	30.4980, 44.3670, 21.7081
YIQ	163.7820, -15.6270, -41.6990

Conversions

Conversions Part 2

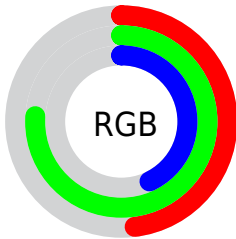
Format	Color
RYB	110, 195, 182
Decimal	8110958
CIELab	72.47, -39.04, 35.70
CIELCh	72, 52.906, 137.560
Yxy	44.3670, 0.3158, 0.4594
Android (android.graphics.Color)	4286301038 (0xFF7BC36E)
YUV	163.7820, -26.5145, -35.7658
Hunter-Lab	66.6086, -34.8353, 27.3030

Details

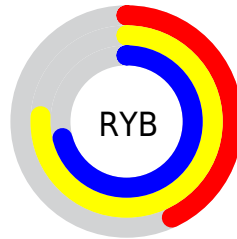
The XYZ color **30.4980, 44.3670, 21.7081** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **34.7197, 25.0384, 54.6351**, and the grayscale version is **35.3113, 37.1502, 40.4566**.

A 20% lighter version of the original color is **59.7814, 81.7301, 47.2750**, and **12.7947, 20.6412, 7.5848** is the 20% darker color. If you saturate the color by 10%, you get **27.3843, 42.8726, 16.6172**, and if you desaturate by 10%, it is **34.2463, 46.1642, 28.0501**.

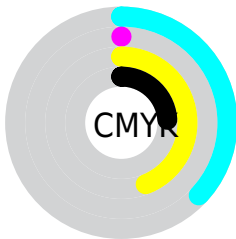
Distribution



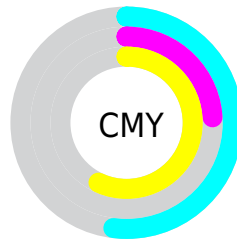
- Red (48%)
- Green (76%)
- Blue (43%)



- Red (43%)
- Yellow (76%)
- Blue (71%)



- Cyan (37%)
- Magenta (0%)
- Yellow (44%)
- Black (24%)





- Cyan (52%)
- Magenta (24%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4980, 44.3670, 21.7081 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 30.4980, 44.3670, 21.7081 by changing the saturation by 10% instead.


 30.4980, 44.3670,
21.7081


 30.4980, 44.3670,
21.7081


296.0872,
364.2038, 273.9217


 20.3668, 30.9591,
13.4463


 59.8301, 81.7697,
47.1591


 12.7718, 20.5677,
7.6023


 79.7617, 106.5333,
65.1853

 7.3475, 12.8084,
3.7574


 103.6909,
135.8510, 87.3035

 3.7286, 7.2967,
1.4932

 131.9830,
170.1071, 113.9321

 1.5498, 3.6484,
0.2129

165.0033,
209.6860, 145.4896

 0.3593, 1.4789,
0.0000

203.1172,

 0.0000, 0.2738,

254.9722, 182.3947

0.0000

246.6901,
306.3500, 225.0659

■ 0.0000, 0.0000,
0.0000

■ 30.4980, 44.3670,
21.7081

■ 30.4980, 44.3670,
21.7081

■ 27.3843, 42.8726,
16.6172

■ 34.2463, 46.1642,
28.0501

■ 24.8663, 41.6588,
12.6919

■ 38.6587, 48.2737,
35.7153

■ 22.9062, 40.7094,
9.8406


■ 43.7665, 50.7117,
44.7738


■ 21.4599, 40.0040,
7.9570


■ 49.5983, 53.4914,
55.2899


■ 20.4765, 39.5192,
6.9128

■ 56.1810, 56.6253,
67.3240

 20.0462, 39.3054,
6.5302

 63.5401, 60.1255,
80.9329

 71.6999, 64.0032,
96.1707

 78.8060, 67.5120,
103.4853

Harmonies

Analogous

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



37.0928, 44.3670, 14.4856



30.4980, 44.3670, 21.7081



27.2476, 44.3670, 38.2691

Triad

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



30.4980, 44.3670, 21.7081



38.5006, 44.3670, 115.8941



61.2135, 44.3670, 34.6746

Complementary

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



30.4980, 44.3670, 21.7081



34.7197, 25.0384, 54.6351

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.



61.7352, 44.3670, 59.9651



30.4980, 44.3670, 21.7081



47.6894, 44.3670, 113.8238

Square

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



30.4980, 44.3670, 21.7081



31.4000, 44.3670, 95.7074



56.4932, 44.3670, 90.7858



55.1566, 44.3670, 19.8981

Rectangle

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



30.4980, 44.3670, 21.7081



27.0542, 44.3670, 55.2275



56.4932, 44.3670, 90.7858



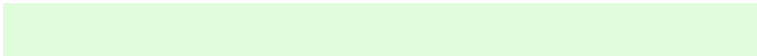
62.0704, 44.3670, 41.9923

Sweetspot

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



30.4991, 44.3689, 21.7091



78.7638, 91.0030, 80.8686



41.8121, 45.7100, 21.3717



16.7710, 19.7010, 16.8563



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.



30.4991, 44.3689, 21.7091



49.4410, 76.9733, 30.3973



30.5585, 44.1919, 31.0919



10.0847, 11.3311, 10.7175



13.0741, 25.5688, 4.2462



0.6115, 1.1288, 0.1856

Inverse Universe

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



34.7197, 25.0384, 54.6351



57.9016, 37.9931, 96.7514



35.0275, 25.5328, 39.4817



10.3411, 10.1670, 12.7022



16.5691, 7.8021, 34.1893



0.7577, 0.3587, 1.4792

Previews

White Background



This preview shows how the XYZ color 30.4980, 44.3670, 21.7081 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 30.4980, 44.3670, 21.7081 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 30.4980, 44.3670, 21.7081

Background



This preview shows how black text looks on a background with the XYZ color 30.4980, 44.3670, 21.7081.



This preview shows how white text looks on a background with the XYZ color 30.4980, 44.3670,

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

30.4980, 44.3670, 21.7081

Protanopia

40.4185, 43.8929, 19.1739

Deuteranopia

44.4917, 43.6339, 22.6002



Tritanopia

38.3052, 44.3104, 60.5667

Trichromacy



Original Color

30.4980, 44.3670, 21.7081



Protanomaly

35.8905, 43.6464, 20.1686



Deuteranomaly

37.7800, 42.7590, 22.1817



Tritanomaly

34.8455, 44.1718, 43.2487

Monochromacy



Original Color

30.4980, 44.3670, 21.7081



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

32.7584, 39.0631, 32.1989

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4980, 44.3670, 21.7081 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(123, 195, 110)` looks like.

```
.text, #text, p{  
    color:rgb(123, 195, 110)  
}
```

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(123, 195, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 195, 110) }
```

Border

The CSS property to change the border of an element to XYZ 30.4980, 44.3670, 21.7081 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(123, 195, 110) }
```


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

```
.border{ border-color:rgb(123, 195, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 195, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 195, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 195, 110);  
box-shadow:4px 4px 4px 4px rgb(123, 195,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4980, 44.3670, 21.7081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 195, 110) }
```

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

```
.background{ background-color: rgb(123,  
195, 110) }
```

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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