

Converting Colors

XYZ(30.1271, 44.6436, 31.0197)

Have a look what the booklet for
XYZ(30.1271, 44.6436, 31.0197)
contains.

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Color

**XYZ(30.1472, 44.6510,
31.0743)**

Conversions

Conversions Part 1

Format	Color
Hex	67C58A
RGB	103, 197, 138
RGB Percent	40%, 77%, 54%
CMY	0.5961, 0.2274, 0.4588
CMYK	0.48, 0.00, 0.30, 0.23
HSL	142°, 45%, 59%
HSV	142°, 48%, 77%
XYZ	30.1472, 44.6510, 31.0743
YIQ	162.1680, -37.0850, -38.2770

Conversions

Conversions Part 2

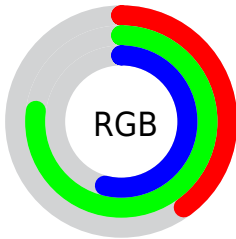
Format	Color
RYB	103, 171, 197
Decimal	6800778
CIELab	72.66, -41.17, 21.19
CIELCh	73, 46.305, 152.770
Yxy	44.6510, 0.2848, 0.4217
Android (android.graphics.Color)	4284990858 (0xFF67C58A)
YUV	162.1680, -11.9148, -51.8903
Hunter-Lab	66.8214, -36.4052, 19.2030

Details

The XYZ color **30.1472, 44.6510, 31.0743** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **34.3992, 24.1804, 37.0384**, and the grayscale version is **34.4889, 36.2850, 39.5144**.

A 20% lighter version of the original color is **59.2543, 82.0603, 62.5854**, and **12.5166, 20.6085, 12.5507** is the 20% darker color. If you saturate the color by 10%, you get **27.3035, 43.2839, 26.5315**, and if you desaturate by 10%, it is **33.6275, 46.3370, 36.1810**.

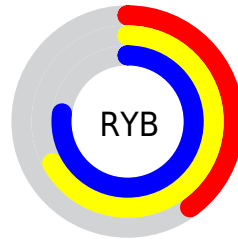
Distribution



Red (40%)

Green (77%)

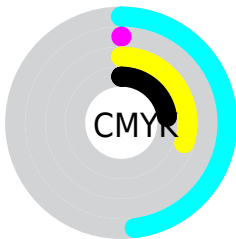
Blue (54%)



Red (40%)

Yellow (67%)

Blue (77%)

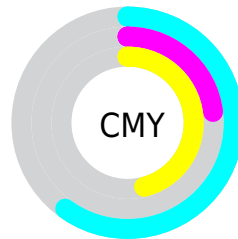


Cyan (48%)

Magenta (0%)

Yellow (30%)

Black (23%)



Cyan (60%)

Magenta (23%)

Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1472, 44.6510, 31.0743 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 30.1472, 44.6510, 31.0743 by changing the saturation by 10% instead.


 30.1472, 44.6510,
31.0743


 30.1472, 44.6510,
31.0743


294.4875,
365.3583, 321.2423


 20.0990, 31.1826,
20.3965

 59.2799, 82.1965,
62.4380


 12.5757, 20.7379,
12.4967


 79.0951, 107.0423,
83.9609

 7.2120, 12.9326,
6.9562


 102.8967,
136.4495, 109.9360

 3.6425, 7.3821,
3.3567

 131.0500,
170.8023, 140.7818

 1.5020, 3.7022,
1.2795

163.9204,
210.4852, 176.9167

 0.3272, 1.5084,
0.0449

201.8732,

 0.0000, 0.2946,

255.8825, 218.7594

0.0000

245.2738,
307.3788, 266.7284

■ 0.0000, 0.0000,
0.0000

■ 30.1472, 44.6510,
31.0743

■ 30.1472, 44.6510,
31.0743

■ 27.3035, 43.2839,
26.5315

■ 33.6275, 46.3370,
36.1810

■ 25.0515, 42.2092,
22.5298

■ 37.7785, 48.3553,
41.8671

■ 23.3459, 41.4051,
19.0493

■ 42.6357, 50.7253,
48.1515


■ 22.1325, 40.8444,
16.0676


■ 48.2313, 53.4630,
55.0513


■ 21.3340, 40.4874,
13.5599


■ 54.5953, 56.5837,
62.5826

 21.1813, 40.4198,
13.0499

 61.7561, 60.1016,
70.7612

 69.7405, 64.0303,
79.6023

 76.4820, 67.3041,
89.0225

 78.3511, 68.0517,
98.8650

Harmonies

Analogous

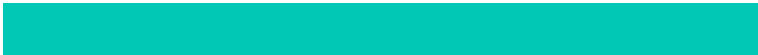
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



34.6251, 44.6510, 20.1268



30.1472, 44.6510, 31.0743



28.8204, 44.6510, 50.7838

Triad

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



30.1472, 44.6510, 31.0743



43.1893, 44.6510, 107.4448



56.7774, 44.6510, 28.4103

Complementary

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



30.1472, 44.6510, 31.0743



34.3992, 24.1804, 37.0384

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.



59.7881, 44.6510, 46.5134



30.1472, 44.6510, 31.0743



51.3490, 44.6510, 96.0323

Square

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



30.1472, 44.6510, 31.0743



35.7649, 44.6510, 99.4329



57.6874, 44.6510, 71.7643



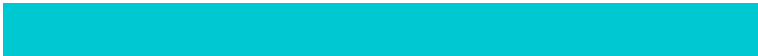
49.8967, 44.6510, 18.9640

Rectangle

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



30.1472, 44.6510, 31.0743



29.7451, 44.6510, 67.7997



57.6874, 44.6510, 71.7643



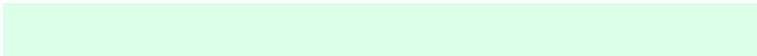
58.3122, 44.6510, 33.4443

Sweetspot

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



30.1484, 44.6528, 31.0753



79.7135, 92.4866, 90.4361



37.4248, 48.6511, 20.2506



16.6085, 19.5742, 18.7912



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.



30.1484, 44.6528, 31.0753



48.8269, 77.4846, 47.3951



34.2619, 46.2982, 52.7368



10.6581, 11.9521, 12.1495



13.9687, 26.5999, 8.7798



0.6964, 1.2735, 0.5998

Inverse Universe

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



34.3992, 24.1804, 37.0384



57.3069, 36.5479, 59.2193



31.0027, 22.8218, 19.1527



10.9091, 10.7470, 12.5048



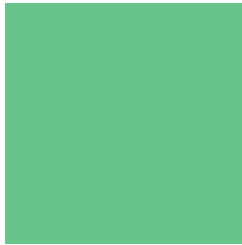
17.5652, 8.7756, 13.4519



0.8659, 0.4292, 0.8170

Previews

White Background



This preview shows how the XYZ color 30.1472, 44.6510, 31.0743 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 30.1472, 44.6510, 31.0743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

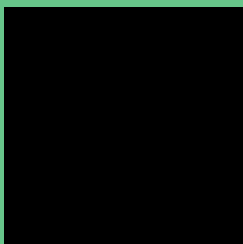
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

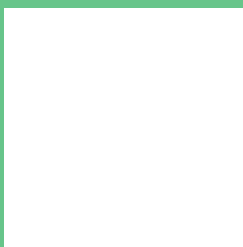
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1472, 44.6510, 31.0743

Background



This preview shows how black text looks on a background with the XYZ color 30.1472, 44.6510, 31.0743.



This preview shows how white text looks on a background with the XYZ color 30.1472, 44.6510,

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

30.1472, 44.6510, 31.0743

Protanopia

40.9198, 43.9764, 27.1005

Deuteranopia

44.8624, 43.8849, 32.4917



Tritanopia

36.7044, 44.6768, 63.8157

Trichromacy



Original Color

30.1472, 44.6510, 31.0743



Protanomaly

35.4059, 43.2160, 28.3052



Deuteranomaly

37.5659, 43.0305, 31.9170



Tritanomaly

33.8979, 44.5053, 49.9838

Monochromacy



Original Color

30.1472, 44.6510, 31.0743



Achromatopsia

34.3422, 36.1307, 39.3463



Achromatomaly

32.0642, 38.6226, 35.9019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1472, 44.6510, 31.0743 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, 197, 138)` looks like.

```
.text, #text, p{  
    color:rgb(103, 197, 138)  
}
```

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, 197, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 197, 138) }
```

Border

The CSS property to change the border of an element to XYZ 30.1472, 44.6510, 31.0743 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, 197, 138) }
```


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

```
.border{ border-color:rgb(103, 197, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 197, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 197, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 197, 138);  
box-shadow:4px 4px 4px 4px rgb(103, 197,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1472, 44.6510, 31.0743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 197, 138) }
```

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

```
.background{ background-color: rgb(103,  
197, 138) }
```

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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