

Converting Colors

XYZ(31.6846, 46.6870, 32.9025)

Have a look what the booklet for
XYZ(31.6846, 46.6870, 32.9025)
contains.

XYZ(31.7130, 46.7905, 32.9512)	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(31.7130, 46.7905,
32.9512)**

Conversions

Conversions Part 1

Format	Color
Hex	6AC98E
RGB	106, 201, 142
RGB Percent	42%, 79%, 56%
CMY	0.5843, 0.2117, 0.4431
CMYK	0.47, 0.00, 0.29, 0.21
HSL	143°, 47%, 60%
HSV	143°, 47%, 79%
XYZ	31.7130, 46.7905, 32.9512
YIQ	165.8690, -37.6810, -38.4890

Conversions

Conversions Part 2

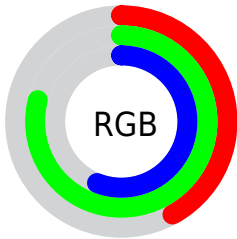
Format	Color
RYB	106, 175, 201
Decimal	6998414
CIELab	74.06, -41.38, 20.99
CIELCh	74, 46.398, 153.101
Yxy	46.7905, 0.2845, 0.4198
Android (android.graphics.Color)	4285188494 (0xFF6AC98E)
YUV	165.8690, -11.7674, -52.5051
Hunter-Lab	68.4036, -36.9508, 19.3215

Details

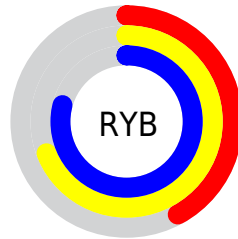
The XYZ color **31.7130, 46.7905, 32.9512** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **36.0345, 25.4432, 38.6108**, and the grayscale version is **36.2513, 38.1392, 41.5336**.

A 20% lighter version of the original color is **60.6241, 83.1869, 65.0860**, and **13.3861, 21.9415, 13.4271** is the 20% darker color. If you saturate the color by 10%, you get **28.7132, 45.3476, 28.1896**, and if you desaturate by 10%, it is **35.3800, 48.5678, 38.2940**.

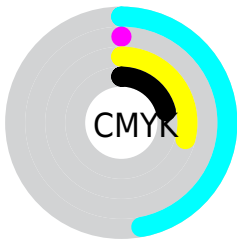
Distribution



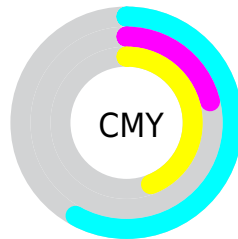
- Red (42%)
- Green (79%)
- Blue (56%)



- Red (42%)
- Yellow (69%)
- Blue (79%)



- Cyan (47%)
- Magenta (0%)
- Yellow (29%)
- Black (21%)





- Cyan (58%)
- Magenta (21%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7130, 46.7905, 32.9512 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 31.7130, 46.7905, 32.9512 by changing the saturation by 10% instead.


 31.7130, 46.7905,
32.9512


 31.7130, 46.7905,
32.9512


301.5784,
373.9777, 330.0550


 21.2969, 32.8701,
21.8183


 61.7291, 85.4008,
65.4145


 13.4549, 22.0269,
13.5264


 82.0598, 110.8595,
87.5819

 7.8217, 13.8767,
7.6570


 106.4261,
140.9330, 114.2645

 4.0319, 8.0349,
3.7917

 135.1933,
176.0059, 145.8809

 1.7202, 4.1173,
1.5118

168.7268,
216.4623, 182.8496

 0.4689, 1.7394,
0.2267

207.3918,

 0.0000, 0.4490,

262.6869, 225.5892

0.0000

251.5539,
315.0638, 274.5181

■ 0.0000, 0.0000,
0.0000

■ 31.7130, 46.7905,
32.9512

■ 31.7130, 46.7905,
32.9512

■ 28.7132, 45.3476,
28.1896

■ 35.3800, 48.5678,
38.2940

■ 26.3339, 44.2116,
23.9861

■ 39.7498, 50.6935,
44.2340

■ 24.5276, 43.3597,
20.3205


■ 44.8595, 53.1879,
50.7901


■ 23.2381, 42.7634,
17.1701


■ 50.7427, 56.0677,
57.9797


■ 22.3890, 42.3836,
14.5100


■ 57.4307, 59.3489,
65.8195

 22.1979, 42.2992,
13.8629

 64.9531, 63.0464,
74.3253

 73.3380, 67.1743,
83.5127

 78.1351, 69.4381,
93.1869

 80.0736, 70.2135,
103.3953

Harmonies

Analogous

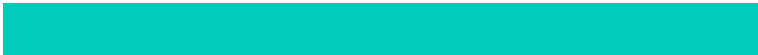
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



36.3199, 46.7905, 21.4649



31.7130, 46.7905, 32.9512



30.3737, 46.7905, 53.4576

Triad

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



31.7130, 46.7905, 32.9512



45.3412, 46.7905, 111.5146



59.2148, 46.7905, 29.8534

Complementary

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



31.7130, 46.7905, 32.9512



36.0345, 25.4432, 38.6108

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.



62.3735, 46.7905, 48.5161



31.7130, 46.7905, 32.9512



53.7631, 46.7905, 99.5845

Square

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



31.7130, 46.7905, 32.9512



37.6410, 46.7905, 103.4969



60.2650, 46.7905, 74.5298



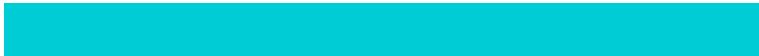
52.0852, 46.7905, 20.1061

Rectangle

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



31.7130, 46.7905, 32.9512



31.3578, 46.7905, 71.0497



60.2650, 46.7905, 74.5298



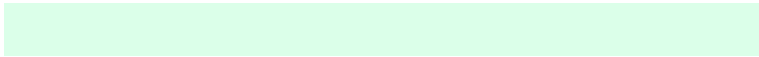
60.8137, 46.7905, 35.0461

Sweetspot

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



31.7142, 46.7924, 32.9523



79.7472, 92.5000, 90.6133



39.2506, 50.9411, 21.4000



16.6166, 19.5775, 18.8341



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.



31.7142, 46.7924, 32.9523



48.9138, 77.5193, 47.8529



35.9451, 48.4848, 55.2316



10.6610, 11.9533, 12.1649



13.9979, 26.6115, 8.9337



0.6979, 1.2741, 0.6080

Inverse Universe

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



36.0345, 25.4432, 38.6108



57.1943, 36.5029, 58.6264



32.5525, 24.0504, 20.2751



10.9061, 10.7458, 12.4889



17.5117, 8.7543, 13.1705



0.8636, 0.4283, 0.8049

Previews

White Background



This preview shows how the XYZ color 31.7130, 46.7905, 32.9512 looks on a white background.

Color Contrast Check

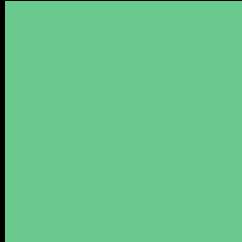
Large Text (above 18pt) WCAG AA × Fail

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 31.7130, 46.7905, 32.9512 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 31.7130, 46.7905, 32.9512

Background



This preview shows how black text looks on a background with the XYZ color 31.7130, 46.7905, 32.9512.

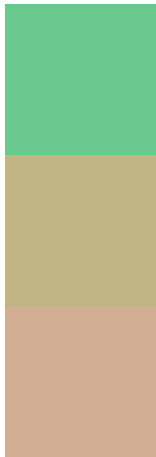


This preview shows how white text looks on a background with the XYZ color 31.7130, 46.7905,

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

31.7130, 46.7905, 32.9512

Protanopia

43.0056, 46.2105, 28.8432

Deuteranopia

47.0597, 46.1119, 34.4371



Tritanopia

38.4812, 46.8316, 66.6857

Trichromacy



Original Color

31.7130, 46.7905, 32.9512



Protanomaly

37.3274, 45.4254, 30.0932



Deuteranomaly

39.3421, 45.1270, 33.8310



Tritanomaly

35.5941, 46.6536, 52.4764

Monochromacy



Original Color

31.7130, 46.7905, 32.9512



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

33.7075, 40.6038, 37.9590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7130, 46.7905, 32.9512 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(106, 201, 142)` looks like.

```
.text, #text, p{  
    color:rgb(106, 201, 142)  
}
```

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(106, 201, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 201, 142) }
```

Border

The CSS property to change the border of an element to XYZ 31.7130, 46.7905, 32.9512 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(106, 201, 142) }
```


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

```
.border{ border-color:rgb(106, 201, 142) }
```

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

Here you see how a box with a 4 pixel rgb(106, 201, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 201, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 201, 142);  
box-shadow:4px 4px 4px 4px rgb(106, 201,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7130, 46.7905, 32.9512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 201, 142) }
```

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

```
.background{ background-color: rgb(106,  
201, 142) }
```

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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