

Converting Colors

XYZ(30.7399, 42.0305, 26.9149)

Have a look what the booklet for
XYZ(30.7399, 42.0305, 26.9149)
contains.

XYZ(30.7816, 42.1141, 26.9286)	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(30.7816, 42.1141,
26.9286)**

Conversions

Conversions Part 1

Format	Color
Hex	80BC80
RGB	128, 188, 128
RGB Percent	50%, 74%, 50%
CMY	0.4980, 0.2627, 0.4980
CMYK	0.32, 0.00, 0.32, 0.26
HSL	120°, 31%, 62%
HSV	120°, 32%, 74%
XYZ	30.7816, 42.1141, 26.9286
YIQ	163.2200, -16.5000, -31.3800

Conversions

Conversions Part 2

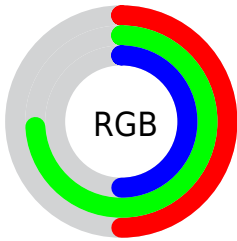
Format	Color
RYB	128, 188, 188
Decimal	8436864
CIELab	70.95, -31.42, 24.37
CIELCh	71, 39.764, 142.197
Yxy	42.1141, 0.3084, 0.4219
Android (android.graphics.Color)	4286626944 (0xFF80BC80)
YUV	163.2200, -17.3635, -30.8879
Hunter-Lab	64.8954, -28.8996, 20.8241

Details

The XYZ color **30.7816, 42.1141, 26.9286** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.5367, 29.7614, 51.3447**, and the grayscale version is **35.0027, 36.8256, 40.1030**.

A 20% lighter version of the original color is **60.2843, 78.5861, 55.7074**, and **12.8807, 19.1368, 10.2226** is the 20% darker color. If you saturate the color by 10%, you get **27.0866, 40.3405, 20.8839**, and if you desaturate by 10%, it is **35.2320, 44.2531, 34.2072**.

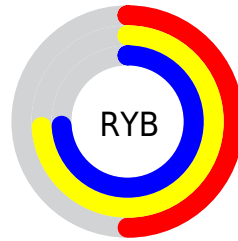
Distribution



Red (50%)

Green (74%)

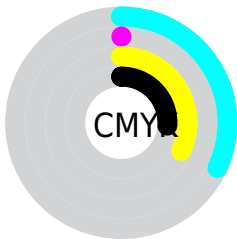
Blue (50%)



Red (50%)

Yellow (74%)

Blue (74%)

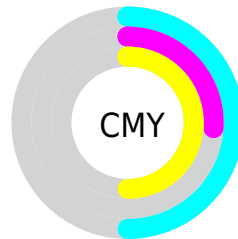


Cyan (32%)

Magenta (0%)

Yellow (32%)

Black (26%)



Cyan (50%)

Magenta (26%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7816, 42.1141, 26.9286 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 30.7816, 42.1141, 26.9286 by changing the saturation by 10% instead.

■ 30.7816, 42.1141,
26.9286

■ 30.7816, 42.1141,
26.9286

297.3758,
354.9557, 301.0605

■ 20.5836, 29.1906,
17.2876

■ 60.2742, 78.3723,
55.7716

■ 12.9307, 19.2251,
10.2757

■ 80.2996, 102.4758,
75.8108

■ 7.4575, 11.8330,
5.4741

■ 104.3315,
131.0748, 100.1530

■ 3.7987, 6.6301,
2.4645

132.7352,
164.5537, 129.2170

■ 1.5889, 3.2319,
0.8212

165.8761,
203.2968, 163.4212

■ 0.3852, 1.2539,
0.0000

204.1196,

■ 0.0000, 0.1051,

247.6886, 203.1841

0.0000

247.8311,
298.1134, 248.9244

■ 0.0000, 0.0000,
0.0000

■ 30.7816, 42.1141,
26.9286

■ 30.7816, 42.1141,
26.9286

■ 27.0866, 40.3405,
20.8839

■ 35.2320, 44.2531,
34.2072

■ 24.1021, 38.9069,
16.0022

■ 40.4731, 46.7707,
42.7799

■ 21.7835, 37.7931,
12.2097


■ 46.5417, 49.6857,
52.7061


■ 20.0798, 36.9747,
9.4228


■ 53.4715, 53.0145,
64.0410


■ 18.9324, 36.4236,
7.5461

■ 61.2943, 56.7722,
76.8365

 18.2719, 36.1063,
6.4657

 70.0402, 60.9733,
91.1420

 17.9840, 35.9680,
5.9948

 77.2740, 64.4480,
102.9747

Harmonies

Analogous

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



35.4051, 42.1141, 19.6883



30.7816, 42.1141, 26.9286



28.6856, 42.1141, 41.0776

Triad

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



30.7816, 42.1141, 26.9286



38.3233, 42.1141, 92.3388



53.0217, 42.1141, 33.4049

Complementary

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



30.7816, 42.1141, 26.9286



37.5367, 29.7614, 51.3447

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.



54.0245, 42.1141, 50.9894



30.7816, 42.1141, 26.9286



45.0372, 42.1141, 88.6163

Square

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



30.7816, 42.1141, 26.9286



32.7156, 42.1141, 81.1506



50.9626, 42.1141, 72.0541



48.3565, 42.1141, 22.6444

Rectangle

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



30.7816, 42.1141, 26.9286



28.8217, 42.1141, 54.0046



50.9626, 42.1141, 72.0541



53.8176, 42.1141, 38.5697

Sweetspot

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



30.7827, 42.1159, 26.9295



75.1648, 85.6338, 80.5002



42.6203, 48.2184, 27.4832



15.8496, 18.2642, 16.7972



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.7827, 42.1159, 26.9295



51.1482, 74.0974, 41.2167



33.0580, 43.0260, 38.9114



9.4088, 10.6496, 10.1364



12.2439, 24.4879, 4.0814



0.4796, 0.9592, 0.1599

Inverse Universe

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



37.5367, 29.7614, 51.3447



65.2290, 48.3406, 92.1178



34.6310, 28.5992, 36.0438



9.9300, 9.6963, 12.0204



20.3002, 9.7512, 33.2041



0.7952, 0.3820, 1.3006

Previews

White Background



This preview shows how the XYZ color 30.7816, 42.1141, 26.9286 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 30.7816, 42.1141, 26.9286 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 30.7816, 42.1141, 26.9286

Background



This preview shows how black text looks on a background with the XYZ color 30.7816, 42.1141, 26.9286.



This preview shows how white text looks on a background with the XYZ color 30.7816, 42.1141,

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

30.7816, 42.1141, 26.9286

Protanopia

38.8883, 41.8324, 24.1140

Deuteranopia

42.4985, 41.6624, 27.9920



Tritanopia

36.8741, 42.1130, 57.2241

Trichromacy



Original Color

30.7816, 42.1141, 26.9286

Protanomaly

35.2844, 41.4030, 25.2007

Deuteranomaly

37.1373, 41.1409, 27.4564

Tritanomaly

34.3425, 42.0035, 44.3277

Monochromacy



Original Color

30.7816, 42.1141, 26.9286

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.8352, 38.1911, 34.4952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7816, 42.1141, 26.9286 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(128, 188, 128)` looks like.

```
.text, #text, p{  
    color:rgb(128, 188, 128)  
}
```

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(128, 188, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 188, 128) }
```

Border

The CSS property to change the border of an element to XYZ 30.7816, 42.1141, 26.9286 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(128, 188, 128) }
```


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

```
.border{ border-color:rgb(128, 188, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 188, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 188, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 188, 128);  
box-shadow:4px 4px 4px 4px rgb(128, 188,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7816, 42.1141, 26.9286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 188, 128) }
```

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

```
.background{ background-color: rgb(128,  
188, 128) }
```

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