

Converting Colors

XYZ(30.8801, 40.6589, 28.3774)

Have a look what the booklet for
XYZ(30.8801, 40.6589, 28.3774)
contains.

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Color

**XYZ(30.8400, 40.5470,
28.3912)**

Conversions

Conversions Part 1

Format	Color
Hex	85B785
RGB	133, 183, 133
RGB Percent	52%, 72%, 52%
CMY	0.4784, 0.2823, 0.4784
CMYK	0.27, 0.00, 0.27, 0.28
HSL	120°, 26%, 62%
HSV	120°, 27%, 72%
XYZ	30.8400, 40.5470, 28.3912
YIQ	162.3500, -13.7500, -26.1500

Conversions

Conversions Part 2

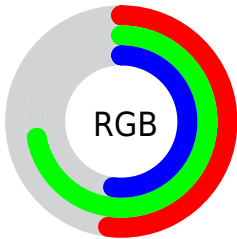
Format	Color
R_{YB}	133, 183, 183
Decimal	8763269
CIE _{Lab}	69.86, -26.49, 20.26
CIE _{LCh}	70, 33.351, 142.599
Yxy	40.5470, 0.3091, 0.4064
Android (android.graphics.Color)	4286953349 (0xFF85B785)
YUV	162.3500, -14.4695, -25.7399
Hunter-Lab	63.6765, -24.9823, 18.1382

Details

The XYZ color **30.8400, 40.5470, 28.3912** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.4646, 30.2621, 48.7207**, and the grayscale version is **34.5781, 36.3789, 39.6166**.

A 20% lighter version of the original color is **60.2229, 75.8430, 57.9194**, and **13.0236, 18.3836, 11.0456** is the 20% darker color. If you saturate the color by 10%, you get **27.0426, 38.7241, 22.1790**, and if you desaturate by 10%, it is **35.3633, 42.7210, 35.7889**.

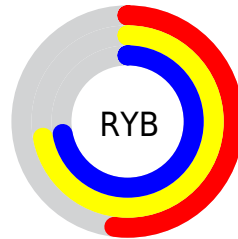
Distribution



Red (52%)

Green (72%)

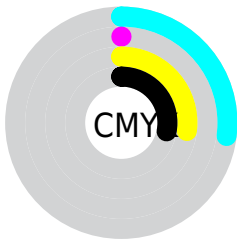
Blue (52%)



Red (52%)

Yellow (72%)

Blue (72%)

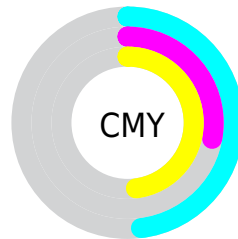


Cyan (27%)

Magenta (0%)

Yellow (27%)

Black (28%)



Cyan (48%)


Magenta (28%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.8400, 40.5470, 28.3912 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 30.8400, 40.5470, 28.3912 by changing the saturation by 10% instead.


 30.8400, 40.5470,
28.3912


 30.8400, 40.5470,
28.3912


297.6406,
348.4237, 308.3021


 20.6283, 27.9653,
18.3792


 60.3656, 75.9957,
58.1390

 12.9635, 18.2995,
11.0503

 80.4103, 99.6316,
78.7118

 7.4802, 11.1652,
5.9861


 104.4632,
127.7209, 103.6420

 3.8132, 6.1781,
2.7680

132.8899,
160.6481, 133.3481

 1.5970, 2.9537,
0.9774

166.0556,
198.7976, 168.2486

 0.3905, 1.1076,
0.0000

204.3257,

 0.0000, 0.0000,

242.5538, 208.7621

0.0000

248.0656,
292.3010, 255.3070

■ 30.8400, 40.5470,
28.3912

■ 30.8400, 40.5470,
28.3912

■ 27.0426, 38.7241,
22.1790

■ 35.3633, 42.7210,
35.7889

■ 23.9302, 37.2291,
17.0882

■ 40.6440, 45.2576,
44.4265

■ 21.4631, 36.0440,
13.0528

■ 46.7158, 48.1741,
54.3579

■ 19.5960, 35.1472,
9.9987

■ 53.6093, 51.4855,
65.6335

■ 18.2778, 34.5140,
7.8425

■ 61.3536, 55.2055,
78.3007

■ 17.4489, 34.1158,
6.4866

■ 69.9764, 59.3474,
92.4046

■ 17.0225, 33.9109,
5.7890

■ 76.2243, 62.3486,
102.6248

■ 16.9343, 33.8686,
5.6448

Harmonies

Analogous

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



34.6719, 40.5470, 21.9327



30.8400, 40.5470, 28.3912



29.1021, 40.5470, 40.4153

Triad

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



30.8400, 40.5470, 28.3912



37.2120, 40.5470, 80.8442



48.9806, 40.5470, 33.6461

Complementary

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



30.8400, 40.5470, 28.3912



36.4646, 30.2621, 48.7207

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.



49.8222, 40.5470, 48.1054



30.8400, 40.5470, 28.3912



42.6829, 40.5470, 77.8254

Square

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



30.8400, 40.5470, 28.3912



32.5502, 40.5470, 72.3497



47.4226, 40.5470, 64.8670



45.2201, 40.5470, 24.4333

Rectangle

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



30.8400, 40.5470, 28.3912



29.2383, 40.5470, 50.9827



47.4226, 40.5470, 64.8670



49.6277, 40.5470, 37.9546

Sweetspot

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



30.8411, 40.5487, 28.3921



71.9726, 80.6595, 78.2275



40.6974, 45.6298, 28.8531



15.5660, 17.6564, 16.7374



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



30.8411, 40.5487, 28.3921



50.8526, 70.5145, 43.6821



32.7791, 41.3239, 38.5975



8.8904, 10.0601, 9.5802



11.8131, 23.6262, 3.9378



0.4164, 0.8329, 0.1388

Inverse Universe

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



36.4646, 30.2621, 48.7207



62.6623, 48.9121, 86.3731



34.0888, 29.3118, 36.2099



9.3810, 9.1628, 11.3536



19.5859, 9.4081, 32.0357



0.6905, 0.3317, 1.1293

Previews

White Background



This preview shows how the XYZ color 30.8400, 40.5470, 28.3912 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 30.8400, 40.5470, 28.3912 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 30.8400, 40.5470, 28.3912

Background



This preview shows how black text looks on a background with the XYZ color 30.8400, 40.5470, 28.3912.



This preview shows how white text looks on a background with the XYZ color 30.8400, 40.5470,

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

30.8400, 40.5470, 28.3912

Protanopia

37.4969, 40.2268, 25.8669

Deuteranopia

40.9013, 40.0063, 29.2332



Tritanopia

36.1473, 40.6080, 54.6482

Trichromacy



Original Color

30.8400, 40.5470, 28.3912

Protanomaly

34.6023, 40.1374, 26.6924

Deuteranomaly

36.2742, 39.5257, 29.0099

Tritanomaly

33.9290, 40.5937, 43.5832

Monochromacy



Original Color

30.8400, 40.5470, 28.3912

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.7231, 37.5631, 34.8039

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.8400, 40.5470, 28.3912 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(133, 183, 133)` looks like.

```
.text, #text, p{  
    color:rgb(133, 183, 133)  
}
```

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(133, 183, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 183, 133) }
```

Border

The CSS property to change the border of an element to XYZ 30.8400, 40.5470, 28.3912 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(133, 183, 133) }
```


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

```
.border{ border-color:rgb(133, 183, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 183, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 183, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 183, 133);  
box-shadow:4px 4px 4px 4px rgb(133, 183,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 30.8400, 40.5470, 28.3912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 183, 133) }
```

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

```
.background{ background-color: rgb(133,  
183, 133) }
```

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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