

Converting Colors

XYZ(30.1702, 40.3810, 28.6624)

Have a look what the booklet for
XYZ(30.1702, 40.3810, 28.6624)
contains.

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Color

**XYZ(30.3457, 40.5914,
28.7898)**

Conversions

Conversions Part 1

Format	Color
Hex	80B886
RGB	128, 184, 134
RGB Percent	50%, 72%, 53%
CMY	0.4980, 0.2784, 0.4745
CMYK	0.30, 0.00, 0.27, 0.28
HSL	126°, 28%, 61%
HSV	126°, 30%, 72%
XYZ	30.3457, 40.5914, 28.7898
YIQ	161.5560, -17.3260, -27.4220

Conversions

Conversions Part 2

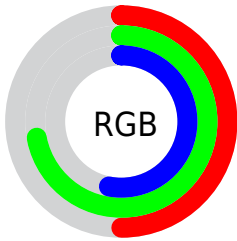
Format	Color
R_{YB}	128, 179, 184
Decimal	8435846
CIE _{Lab}	69.89, -28.47, 19.72
CIE _{LCh}	70, 34.634, 145.301
Yxy	40.5914, 0.3043, 0.4070
Android (android.graphics.Color)	4286625926 (0xFF80B886)
YUV	161.5560, -13.5851, -29.4286
Hunter-Lab	63.7114, -26.4755, 17.8061

Details

The XYZ color **30.3457, 40.5914, 28.7898** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5236, 28.8440, 45.8164**, and the grayscale version is **34.2032, 35.9845, 39.1871**.

A 20% lighter version of the original color is **59.4211, 75.8531, 58.5230**, and **12.7771, 18.4505, 11.2754** is the 20% darker color. If you saturate the color by 10%, you get **26.7668, 38.8699, 23.0986**, and if you desaturate by 10%, it is **34.6067, 42.6463, 35.4439**.

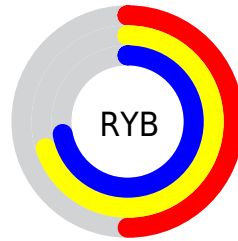
Distribution



Red (50%)

Green (72%)

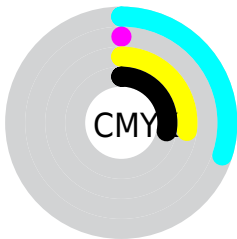
Blue (53%)



Red (50%)

Yellow (70%)

Blue (72%)

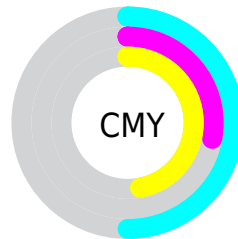


Cyan (30%)

Magenta (0%)

Yellow (27%)

Black (28%)



Cyan (50%)


Magenta (28%)


Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.3457, 40.5914, 28.7898 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 30.3457, 40.5914, 28.7898 by changing the saturation by 10% instead.


 30.3457, 40.5914,
28.7898


 30.3457, 40.5914,
28.7898


295.3935,
348.6100, 310.2517

 20.2505, 28.0000,
18.6777


 59.5913, 76.0632,
58.7811

 12.6866, 18.3256,
11.2631


 79.4725, 99.7124,
79.4974

 7.2886, 11.1840,
6.1277


 103.3463,
127.8163, 104.5855

 3.6912, 6.1907,
2.8529

131.5782,
160.7593, 134.4639

 1.5289, 2.9614,
1.0200

164.5336,
198.9257, 169.5512

 0.3454, 1.1116,
0.0000

202.5776,

 0.0000, 0.0000,

242.7001, 210.2659

0.0000

246.0758,
292.4667, 257.0266

■ 30.3457, 40.5914,
28.7898

■ 30.3457, 40.5914,
28.7898

■ 26.7668, 38.8699,
23.0986

■ 34.6067, 42.6463,
35.4439

■ 23.8315, 37.4593,
18.3232

■ 39.5793, 45.0455,
43.0998

■ 21.5022, 36.3426,
14.4166


■ 45.2952, 47.8056,
51.7974


■ 19.7363, 35.4988,
11.3265


■ 51.7834, 50.9407,
61.5738


■ 18.4854, 34.9042,
8.9949


■ 59.0710, 54.4641,
72.4641

 17.6931, 34.5312,
7.3563

 67.1842, 58.3886,
84.5020

 17.2650, 34.3320,
6.3654

 75.4808, 62.3823,
97.6885

 76.4313, 62.7625,
102.6938

Harmonies

Analogous

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



34.1358, 40.5914, 21.6713



30.3457, 40.5914, 28.7898



28.7641, 40.5914, 41.7051

Triad

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



30.3457, 40.5914, 28.7898



37.7006, 40.5914, 82.8678



49.2217, 40.5914, 32.2245

Complementary

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



30.3457, 40.5914, 28.7898



35.5236, 28.8440, 45.8164

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.



50.4101, 40.5914, 46.7866



30.3457, 40.5914, 28.7898



43.3961, 40.5914, 78.5794

Square

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



30.3457, 40.5914, 28.7898



32.7393, 40.5914, 74.9097



48.1856, 40.5914, 64.3053



45.0791, 40.5914, 23.2897

Rectangle

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



30.3457, 40.5914, 28.7898



29.0507, 40.5914, 52.8961



48.1856, 40.5914, 64.3053



49.9960, 40.5914, 36.5083

Sweetspot

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



30.3468, 40.5931, 28.7907



72.9997, 82.2593, 80.0451



39.4905, 45.3539, 27.0954



15.4328, 17.5864, 16.7905



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.



30.3468, 40.5931, 28.7907



50.2266, 71.2801, 44.6049



32.5299, 41.4664, 40.2869



8.9284, 10.0753, 9.7805



11.9117, 23.6656, 4.4568



0.4329, 0.8395, 0.2255

Inverse Universe

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



35.5236, 28.8440, 45.8164



61.2125, 46.3338, 80.7255



33.0249, 27.8445, 32.6583



9.3384, 9.1457, 11.1292



18.2751, 8.8838, 25.1332



0.6562, 0.3180, 0.9490

Previews

White Background



This preview shows how the XYZ color 30.3457, 40.5914, 28.7898 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 30.3457, 40.5914, 28.7898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

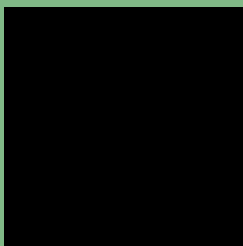
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

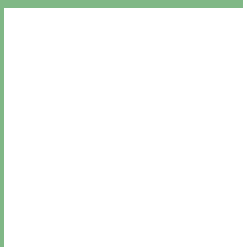
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3457, 40.5914, 28.7898

Background



This preview shows how black text looks on a background with the XYZ color 30.3457, 40.5914, 28.7898.



This preview shows how white text looks on a background with the XYZ color 30.3457, 40.5914,

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

30.3457, 40.5914, 28.7898

Protanopia

37.5624, 40.2530, 26.2119

Deuteranopia

40.7106, 39.8997, 29.6005



Tritanopia

35.7736, 40.6948, 55.2596

Trichromacy



Original Color

30.3457, 40.5914, 28.7898

Protanomaly

34.2595, 39.9530, 27.0251

Deuteranomaly

36.0915, 39.7026, 29.4281

Tritanomaly

33.5686, 40.6957, 44.1160

Monochromacy



Original Color

30.3457, 40.5914, 28.7898

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

32.6199, 37.5005, 35.2248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3457, 40.5914, 28.7898 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, 184, 134)` looks like.

```
.text, #text, p{  
    color:rgb(128, 184, 134)  
}
```

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, 184, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 184, 134) }
```

Border

The CSS property to change the border of an element to XYZ 30.3457, 40.5914, 28.7898 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, 184, 134) }
```


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

```
.border{ border-color:rgb(128, 184, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 184, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 184, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 184, 134);  
box-shadow:4px 4px 4px 4px rgb(128, 184,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3457, 40.5914, 28.7898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 184, 134) }
```

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

```
.background{ background-color: rgb(128,  
184, 134) }
```

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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