

Converting Colors

XYZ(28.3021, 40.5142, 30.2472)

Have a look what the booklet for
XYZ(28.3021, 40.5142, 30.2472)
contains.

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Color

**XYZ(28.3016, 40.4398,
30.3588)**

Conversions

Conversions Part 1

Format	Color
Hex	6ABB8A
RGB	106, 187, 138
RGB Percent	42%, 73%, 54%
CMY	0.5843, 0.2667, 0.4588
CMYK	0.43, 0.00, 0.26, 0.27
HSL	144°, 37%, 57%
HSV	144°, 43%, 73%
XYZ	28.3016, 40.4398, 30.3588
YIQ	157.1950, -32.5470, -32.4110

Conversions

Conversions Part 2

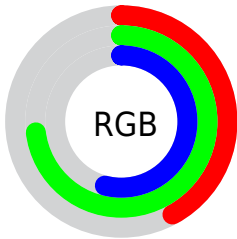
Format	Color
RYB	106, 164, 187
Decimal	6994826
CIELab	69.78, -35.87, 17.24
CIElCh	70, 39.794, 154.326
Yxy	40.4398, 0.2856, 0.4081
Android (android.graphics.Color)	4285184906 (0xFF6ABB8A)
YUV	157.1950, -9.4631, -44.8980
Hunter-Lab	63.5923, -31.8455, 16.2097

Details

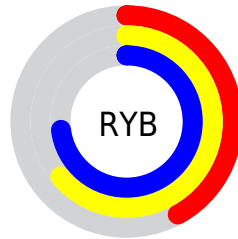
The XYZ color **28.3016, 40.4398, 30.3588** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **31.5652, 23.2402, 33.8338**, and the grayscale version is **32.1882, 33.8645, 36.8784**.

A 20% lighter version of the original color is **56.5631, 76.0842, 61.5737**, and **11.5142, 18.1834, 12.1354** is the 20% darker color. If you saturate the color by 10%, you get **25.5403, 39.1071, 26.1749**, and if you desaturate by 10%, it is **31.6350, 42.0597, 35.0166**.

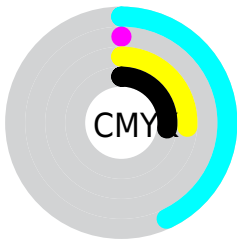
Distribution



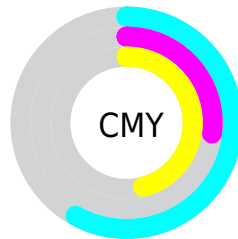
- Red (42%)
- Green (73%)
- Blue (54%)



- Red (42%)
- Yellow (64%)
- Blue (73%)



- Cyan (43%)
- Magenta (0%)
- Yellow (26%)
- Black (27%)





- Cyan (58%)
- Magenta (27%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.3016, 40.4398, 30.3588 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 28.3016, 40.4398, 30.3588 by changing the saturation by 10% instead.


 28.3016, 40.4398,
30.3588


 28.3016, 40.4398,
30.3588


285.9593,
347.9738, 317.8326


 18.6947, 27.8816,
19.8567

 56.3709, 75.8328,
61.2968


 11.5526, 18.2364,
12.1079


 75.5640, 99.4363,
82.5699

 6.5098, 11.1199,
6.6938


 98.6833, 127.4905,
108.2703

 3.2011, 6.1475,
3.1958

 126.0941,
160.3796, 138.8167

 1.2610, 2.9350,
1.1955

158.1617,
198.4881, 174.6276

 0.1537, 1.0979,
0.0000

195.2516,

 0.0000, 0.0000,

242.2004, 216.1215

0.0000

237.7290,
291.9008, 263.7170

■ 28.3016, 40.4398,
30.3588

■ 28.3016, 40.4398,
30.3588

■ 25.5403, 39.1071,
26.1749

■ 31.6350, 42.0597,
35.0166

■ 23.3133, 38.0393,
22.4471

■ 35.5687, 43.9778,
40.1600

■ 21.5835, 37.2185,
19.1600


■ 40.1328, 46.2105,
45.8037


■ 20.3070, 36.6225,
16.2968


■ 45.3545, 48.7715,
51.9610


■ 19.4315, 36.2247,
13.8390


■ 51.2592, 51.6737,
58.6447

 19.0030, 36.0349,
12.4108

 57.8711, 54.9293,
65.8669

 65.2132, 58.5498,
73.6397

 73.0846, 62.4316,
81.9640

 74.7119, 63.0825,
90.5330

Harmonies

Analogous

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



31.8547, 40.4398, 20.7190



28.3016, 40.4398, 30.3588



27.3424, 40.4398, 46.7680

Triad

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



28.3016, 40.4398, 30.3588



39.3806, 40.4398, 89.8320



49.6237, 40.4398, 26.8769

Complementary

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



28.3016, 40.4398, 30.3588



31.5652, 23.2402, 33.8338

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.



52.1873, 40.4398, 41.4050



28.3016, 40.4398, 30.3588



45.8683, 40.4398, 80.3894

Square

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



28.3016, 40.4398, 30.3588



33.3069, 40.4398, 84.4613



50.7419, 40.4398, 61.2954



44.0681, 40.4398, 19.1389

Rectangle

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



28.3016, 40.4398, 30.3588



28.2011, 40.4398, 60.3557



50.7419, 40.4398, 61.2954



50.8905, 40.4398, 30.9539

Sweetspot

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



28.3027, 40.4415, 30.3597



71.9672, 82.8047, 82.1425



34.0738, 43.6460, 20.2647



15.4259, 18.0281, 17.5769



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.



28.3027, 40.4415, 30.3597



45.9534, 70.1402, 47.2146



31.7062, 41.8029, 48.2824



9.5607, 10.7104, 10.9361



13.1261, 24.8407, 8.7266



0.5465, 0.9860, 0.5122

Inverse Universe

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



31.5652, 23.2402, 33.8338



52.5498, 35.3042, 54.1959



28.7691, 22.1218, 19.1099



9.7660, 9.6307, 11.1566



16.2151, 8.1172, 11.6921



0.6665, 0.3305, 0.6231

Previews

White Background



This preview shows how the XYZ color 28.3016, 40.4398, 30.3588 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 28.3016, 40.4398, 30.3588 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 28.3016, 40.4398, 30.3588

Background



This preview shows how black text looks on a background with the XYZ color 28.3016, 40.4398, 30.3588.

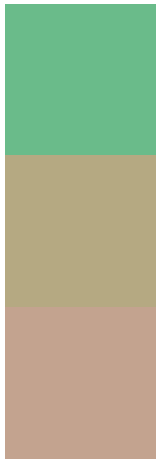


This preview shows how white text looks on a background with the XYZ color 28.3016, 40.4398,

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

28.3016, 40.4398, 30.3588

Protanopia

37.2733, 39.8114, 26.8389

Deuteranopia

40.5608, 39.7797, 31.5271



Tritanopia

33.6666, 40.4595, 57.0740

Trichromacy



Original Color

28.3016, 40.4398, 30.3588

Protanomaly

33.0854, 39.6141, 28.0928

Deuteranomaly

34.6645, 39.2147, 30.9415

Tritanomaly

31.5129, 40.5004, 46.2008

Monochromacy



Original Color

28.3016, 40.4398, 30.3588

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

29.9889, 35.6105, 34.1471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3016, 40.4398, 30.3588 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, 187, 138)` looks like.

```
.text, #text, p{  
    color:rgb(106, 187, 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(106, 187, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 187, 138) }
```

Border

The CSS property to change the border of an element to XYZ 28.3016, 40.4398, 30.3588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

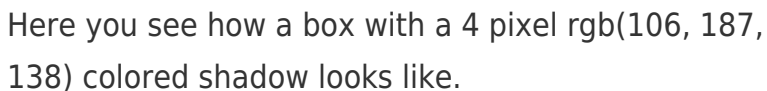
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(106, 187, 138) }
```


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

```
.border{ border-color:rgb(106, 187, 138) }
```

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



Here you see how a box with a 4 pixel `rgb(106, 187, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 187, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 187, 138); box-shadow:4px 4px 4px 4px rgb(106, 187, 138) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3016, 40.4398, 30.3588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 187, 138) }
```

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

```
.background{ background-color: rgb(106,  
187, 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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