

Converting Colors

XYZ(28.2646, 36.4240, 16.9797)

Have a look what the booklet for
XYZ(28.2646, 36.4240, 16.9797)
contains.

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Color

**XYZ(28.3035, 36.5198,
17.1125)**

Conversions

Conversions Part 1

Format	Color
Hex	8EAD62
RGB	142, 173, 98
RGB Percent	56%, 68%, 38%
CMY	0.4431, 0.3216, 0.6157
CMYK	0.18, 0.00, 0.43, 0.32
HSL	85°, 31%, 53%
HSV	85°, 43%, 68%
XYZ	28.3035, 36.5198, 17.1125
YIQ	155.1810, 5.5990, -29.8970

Conversions

Conversions Part 2

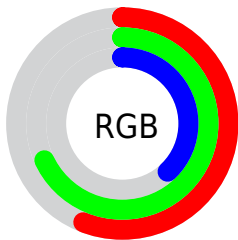
Format	Color
RYB	98, 173, 129
Decimal	9350498
CIELab	66.92, -23.50, 35.03
CIELCh	67, 42.180, 123.862
Yxy	36.5198, 0.3454, 0.4457
Android (android.graphics.Color)	4287540578 (0xFF8EAD62)
YUV	155.1810, -28.1902, -11.5597
Hunter-Lab	60.4316, -22.1538, 25.5129

Details

The XYZ color **28.3035, 36.5198, 17.1125** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.9653, 16.4206, 41.6018**, and the grayscale version is **31.3559, 32.9889, 35.9249**.

A 20% lighter version of the original color is **56.5503, 70.1109, 39.4064**, and **11.6082, 16.0702, 5.3958** is the 20% darker color. If you saturate the color by 10%, you get **26.3857, 35.6167, 13.2101**, and if you desaturate by 10%, it is **30.4784, 37.5374, 21.9501**.

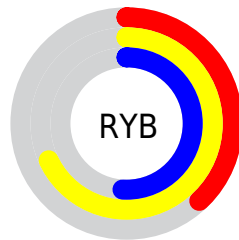
Distribution



Red (56%)

Green (68%)

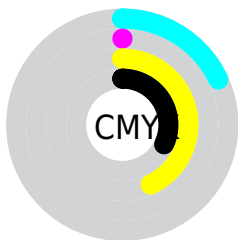
Blue (38%)



Red (38%)

Yellow (68%)

Blue (51%)

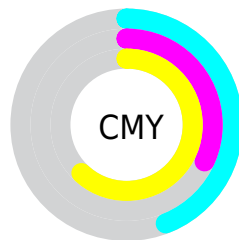


Cyan (18%)

Magenta (0%)

Yellow (43%)

Black (32%)



Cyan (44%)

Magenta (32%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3035, 36.5198, 17.1125 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 28.3035, 36.5198, 17.1125 by changing the saturation by 10% instead.

■ 28.3035, 36.5198,
17.1125

■ 28.3035, 36.5198,
17.1125

285.9682,
331.2268, 247.8857

■ 18.6962, 24.8359,
10.1519

■ 56.3739, 69.8336,
39.3124

■ 11.5537, 15.9548,
5.3929

■ 75.5677, 92.2323,
55.3888

■ 6.5106, 9.4922,
2.4168

■ 98.6877, 118.9714,
75.3409

■ 3.2015, 5.0636,
0.7956

■ 126.0992,
150.4354, 99.5872

■ 1.2612, 2.2846,
0.0000

158.1677,
187.0085, 128.5463

■ 0.1539, 0.7656,
0.0000

195.2585,

■ 0.0000, 0.0000,

229.0751, 162.6368

0.0000

237.7368,
277.0198, 202.2770

■ 28.3035, 36.5198,
17.1125

■ 28.3035, 36.5198,
17.1125

■ 26.3857, 35.6167,
13.2101

■ 30.4784, 37.5374,
21.9501

■ 24.7094, 34.8178,
10.1798

■ 32.9197, 38.6694,
27.7756

■ 23.2611, 34.1190,
7.9548


■ 35.6391, 39.9223,
34.6407

■ 22.0245, 33.5133,
6.4574


■ 38.6472, 41.3001,
42.5928


■ 20.9804, 32.9931,
5.5945


■ 41.9536, 42.8070,
51.6763

 20.3661, 32.6837,
5.2352

 45.5677, 44.4468,
61.9332

 49.4981, 46.2232,
73.4034

 53.7533, 48.1397,
86.1247

 58.3415, 50.1997,
100.1336

Harmonies

Analogous

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



33.8898, 36.5198, 13.9698



28.3035, 36.5198, 17.1125



24.8055, 36.5198, 26.1862

Triad

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



28.3035, 36.5198, 17.1125



29.5734, 36.5198, 80.4709



48.4737, 36.5198, 37.4400

Complementary

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



28.3035, 36.5198, 17.1125



20.9653, 16.4206, 41.6018

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.



46.9544, 36.5198, 57.3725



28.3035, 36.5198, 17.1125



35.5454, 36.5198, 86.2343

Square

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



28.3035, 36.5198, 17.1125



25.4731, 36.5198, 62.7768



42.0191, 36.5198, 76.7372



45.9492, 36.5198, 23.1995

Rectangle

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



28.3035, 36.5198, 17.1125



23.8692, 36.5198, 36.1179



42.0191, 36.5198, 76.7372



48.4205, 36.5198, 43.6473

Sweetspot

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



28.3044, 36.5214, 17.1133



63.8892, 71.5248, 62.2034



27.1587, 25.2057, 14.9895



13.6476, 15.4350, 12.9081



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.3044, 36.5214, 17.1133



47.3964, 63.8524, 23.9338



23.0339, 33.8044, 16.8666



8.3377, 9.1627, 8.5425



15.0272, 24.0439, 3.8489



0.4783, 0.6999, 0.1099

Inverse Universe

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



20.9653, 16.4206, 41.6018



32.5414, 23.1308, 73.5553



27.5332, 19.8065, 41.9092



7.8808, 7.9128, 10.0647



7.5400, 3.2469, 29.2738



0.2729, 0.1229, 0.8173

Previews

White Background



This preview shows how the XYZ color 28.3035, 36.5198, 17.1125 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 28.3035, 36.5198, 17.1125 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 28.3035, 36.5198, 17.1125

Background



This preview shows how black text looks on a background with the XYZ color 28.3035, 36.5198, 17.1125.



This preview shows how white text looks on a background with the XYZ color 28.3035, 36.5198,

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

28.3035, 36.5198, 17.1125

Protanopia

33.3008, 36.1138, 15.8052

Deuteranopia

36.8846, 36.1378, 17.6016



Tritanopia

34.3481, 36.4975, 46.8294

Trichromacy



Original Color

28.3035, 36.5198, 17.1125

Protanomaly

31.2188, 36.0980, 16.1487

Deuteranomaly

33.1738, 36.0104, 17.5142

Tritanomaly

31.5584, 36.1651, 33.3342

Monochromacy



Original Color

28.3035, 36.5198, 17.1125

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.8011, 34.0459, 27.5551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3035, 36.5198, 17.1125 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(142, 173, 98)` looks like.

```
.text, #text, p{  
    color:rgb(142, 173, 98)  
}
```

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(142, 173, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 173, 98) }
```

Border

The CSS property to change the border of an element to XYZ 28.3035, 36.5198, 17.1125 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(142, 173, 98) }
```


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

```
.border{ border-color:rgb(142, 173, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 173, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 173, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 173, 98);  
box-shadow:4px 4px 4px 4px rgb(142, 173,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3035, 36.5198, 17.1125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 173, 98) }
```

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

```
.background{ background-color: rgb(142,  
173, 98) }
```

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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