

Converting Colors

XYZ(13.2693, 16.9880, 14.2363)

Have a look what the booklet for
XYZ(13.2693, 16.9880, 14.2363)
contains.

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Color

**XYZ(13.1886, 16.8756,
14.1175)**

Conversions

Conversions Part 1

Format	Color
Hex	587A62
RGB	88, 122, 98
RGB Percent	35%, 48%, 38%
CMY	0.6549, 0.5216, 0.6157
CMYK	0.28, 0.00, 0.20, 0.52
HSL	138°, 16%, 41%
HSV	138°, 28%, 48%
XYZ	13.1886, 16.8756, 14.1175
YIQ	109.0980, -12.5600, -14.6720

Conversions

Conversions Part 2

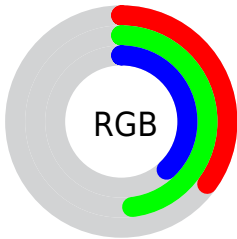
Format	Color
R_{YB}	88, 114, 122
Decimal	5798498
CIE Lab	48.10, -17.45, 9.30
CIE LCh	48, 19.772, 151.957
Yxy	16.8756, 0.2985, 0.3820
Android (android.graphics.Color)	4283988578 (0xFF587A62)
YUV	109.0980, -5.4713, -18.5029
Hunter-Lab	41.0799, -14.5829, 8.3804

Details

The XYZ color **13.1886, 16.8756, 14.1175** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4409, 12.2872, 16.9403**, and the grayscale version is **14.5816, 15.3409, 16.7063**.

A 20% lighter version of the original color is **31.4022, 38.3188, 34.1750**, and **3.9168, 5.4844, 4.1010** is the 20% darker color. If you saturate the color by 10%, you get **11.7441, 16.1759, 12.0404**, and if you desaturate by 10%, it is **14.8711, 17.6939, 16.4349**.

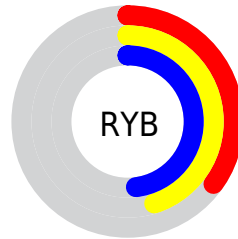
Distribution



Red (35%)

Green (48%)

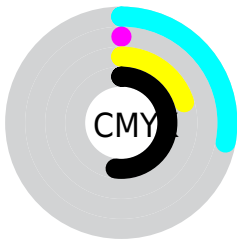
Blue (38%)



Red (35%)

Yellow (45%)

Blue (48%)

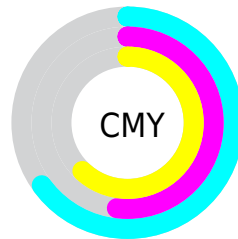


Cyan (28%)

Magenta (0%)

Yellow (20%)

Black (52%)



Cyan (65%)

Magenta (52%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.1886, 16.8756, 14.1175 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 13.1886, 16.8756, 14.1175 by changing the saturation by 10% instead.

■ 13.1886, 16.8756,
14.1175

■ 13.1886, 16.8756,
14.1175

205.7361,
234.4545, 229.4144

■ 7.6364, 10.1458,
8.0628

■ 31.2406, 38.1118,
34.0175

■ 3.9130, 5.4958,
4.0468

■ 44.4712, 53.3870,
48.6998

■ 1.6531, 2.5410,
1.6510

■ 60.9920, 72.2794,
67.0951

■ 0.4266, 0.8971,
0.3269

■ 81.1683, 95.1735,
89.6218

■ 0.0000, 0.0000,
0.0000

■ 105.3655,
122.4537, 116.6986

133.9490,

154.5043, 148.7439

167.2841,
191.7098, 186.1763

■ 13.1886, 16.8756,
14.1175

■ 13.1886, 16.8756,
14.1175

■ 11.7441, 16.1759,
12.0404

■ 14.8711, 17.6939,
16.4349

■ 10.5251, 15.5871,
10.1948

■ 16.8006, 18.6338,
18.9988

■ 9.5204, 15.1040,
8.5728

■ 18.9870, 19.7008,
21.8167

■ 8.7169, 14.7201,
7.1660

■ 21.4395, 20.8996,
24.8952

■ 8.1000, 14.4280,
5.9651

■ 24.1668, 22.2343,
28.2409

■ 7.6533, 14.2195,
4.9602

■ 27.1772, 23.7093,
31.8601

■ 7.3377, 14.0746,
4.1399

■ 30.4786, 25.3283,
35.7588

■ 7.2765, 14.0464,
3.9875

■ 34.0786, 27.0953,
39.9428

■ 37.9845, 29.0139,
44.4179

Harmonies

Analogous

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



14.2854, 16.8756, 11.2135



13.1886, 16.8756, 14.1175



12.8387, 16.8756, 18.7135

Triad

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



13.1886, 16.8756, 14.1175



16.1576, 16.8756, 30.0974



19.1422, 16.8756, 13.6338

Complementary

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



13.1886, 16.8756, 14.1175



14.4409, 12.2872, 16.9403

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.



19.7330, 16.8756, 18.0399



13.1886, 16.8756, 14.1175



17.9321, 16.8756, 28.0757

Square

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



13.1886, 16.8756, 14.1175



14.4748, 16.8756, 28.5248



19.2748, 16.8756, 23.4117



17.7136, 16.8756, 10.9730

Rectangle

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



13.1886, 16.8756, 14.1175



13.0535, 16.8756, 22.3141



19.2748, 16.8756, 23.4117



19.4499, 16.8756, 14.9285

Sweetspot

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



13.1891, 16.8763, 14.1179



29.4394, 32.7242, 33.2706



15.4504, 18.0933, 11.9106



6.6270, 7.4316, 7.4705



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



13.1891, 16.8763, 14.1179



21.6470, 28.9347, 22.6208



14.0580, 17.2239, 18.6935



3.9949, 4.4676, 4.5070



7.6573, 14.7866, 4.1803



36.1964, 70.4016, 18.2041

Inverse Universe

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



14.4409, 12.2872, 16.9403



24.2061, 19.5480, 28.3867



13.5985, 11.9502, 12.5042



4.1066, 4.0584, 4.7592



10.2199, 5.0641, 9.7147



48.3640, 24.0019, 44.3081

Previews

White Background



This preview shows how the XYZ color 13.1886, 16.8756, 14.1175 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 13.1886, 16.8756, 14.1175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1886, 16.8756, 14.1175

Background



This preview shows how black text looks on a background with the XYZ color 13.1886, 16.8756, 14.1175.



This preview shows how white text looks on a background with the XYZ color 13.1886, 16.8756,

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

13.1886, 16.8756, 14.1175

Protanopia

15.7834, 16.8358, 13.0074

Deuteranopia

17.1308, 16.8373, 14.6589



Tritanopia

14.9253, 16.8689, 22.5480

Trichromacy



Original Color

13.1886, 16.8756, 14.1175

Protanomaly

14.6112, 16.7369, 13.2869

Deuteranomaly

15.3878, 16.5996, 14.4496

Tritanomaly

14.1628, 16.7299, 19.0057

Monochromacy



Original Color

13.1886, 16.8756, 14.1175

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.9339, 15.8212, 15.6840

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1886, 16.8756, 14.1175 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(88, 122, 98)` looks like.

```
.text, #text, p{  
    color:rgb(88, 122, 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(88, 122, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 122, 98) }
```

Border

The CSS property to change the border of an element to XYZ 13.1886, 16.8756, 14.1175 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(88, 122, 98) }
```


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

```
.border{ border-color:rgb(88, 122, 98) }
```

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

Here you see how a box with a 4 pixel rgb(88, 122, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 122, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 122, 98);  
box-shadow:4px 4px 4px 4px rgb(88, 122,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1886, 16.8756, 14.1175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 122, 98) }
```

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

```
.background{ background-color: rgb(88, 122,  
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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