

Converting Colors

XYZ(13.1325, 16.8516, 13.8267)

Have a look what the booklet for
XYZ(13.1325, 16.8516, 13.8267)
contains.

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Color

**XYZ(13.1417, 16.8568,
13.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	587A61
RGB	88, 122, 97
RGB Percent	35%, 48%, 38%
CMY	0.6549, 0.5216, 0.6196
CMYK	0.28, 0.00, 0.20, 0.52
HSL	136°, 16%, 41%
HSV	136°, 28%, 48%
XYZ	13.1417, 16.8568, 13.8703
YIQ	108.9840, -12.2390, -14.9830

Conversions

Conversions Part 2

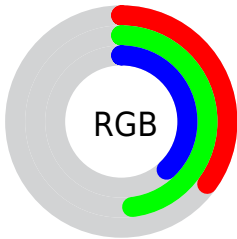
Format	Color
R_{YB}	88, 115, 122
Decimal	5798497
CIE _{Lab}	48.08, -17.66, 9.85
CIE _{LCh}	48, 20.216, 150.846
Yxy	16.8568, 0.2996, 0.3843
Android (android.graphics.Color)	4283988577 (0xFF587A61)
YUV	108.9840, -5.9081, -18.4030
Hunter-Lab	41.0570, -14.7148, 8.7100

Details

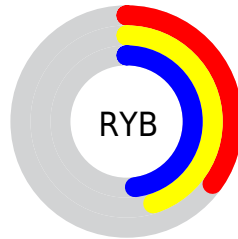
The XYZ color **13.1417, 16.8568, 13.8703** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4970, 12.3097, 17.2354**, and the grayscale version is **14.5503, 15.3081, 16.6705**.

A 20% lighter version of the original color is **31.3227, 38.2870, 33.7562**, and **3.8945, 5.4755, 3.9836** is the 20% darker color. If you saturate the color by 10%, you get **11.6872, 16.1531, 11.7409**, and if you desaturate by 10%, it is **14.8377, 17.6805, 16.2587**.

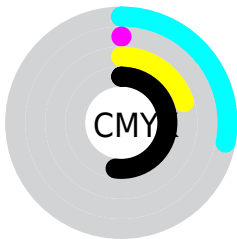
Distribution



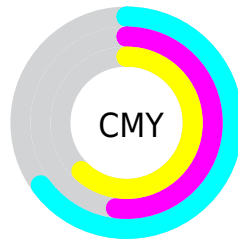
- Red (35%)
- Green (48%)
- Blue (38%)



- 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 13.1417, 16.8568, 13.8703 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 13.1417, 16.8568, 13.8703 by changing the saturation by 10% instead.

■ 13.1417, 16.8568,
13.8703

■ 13.1417, 16.8568,
13.8703

205.4431,
234.3458, 227.8228

■ 7.6039, 10.1324,
7.8928

■ 31.1573, 38.0794,
33.5725

■ 3.8922, 5.4869,
3.9396

■ 44.3657, 53.3464,
48.1343

■ 1.6413, 2.5357,
1.5923

■ 60.8618, 72.2298,
66.3946

■ 0.4191, 0.8944,
0.2853

■ 81.0107, 95.1140,
88.7720

■ 0.0000, 0.0000,
0.0000

■ 105.1780,
122.3832, 115.6850

133.7289,

154.4220, 147.5520

167.0288,
191.6148, 184.7918

■ 13.1417, 16.8568,
13.8703

■ 13.1417, 16.8568,
13.8703

■ 11.6872, 16.1531,
11.7409

■ 14.8377, 17.6805,
16.2587

■ 10.4617, 15.5617,
9.8608

■ 16.7844, 18.6273,
18.9132

■ 9.4536, 15.0772,
8.2209

■ 18.9919, 19.7028,
21.8422

■ 8.6496, 14.6931,
6.8116

■ 21.4696, 20.9116,
25.0533

■ 8.0350, 14.4019,
5.6225

■ 24.2263, 22.2581,
28.5538

■ 7.5929, 14.1953,
4.6422

■ 27.2705, 23.7465,
32.3506

■ 7.2841, 14.0531,
3.8575

■ 30.6101, 25.3809,
36.4505

■ 7.2245, 14.0255,
3.7139

■ 34.2529, 27.1650,
40.8602

■ 38.2064, 29.1026,
45.5860

Harmonies

Analogous

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



14.2849, 16.8568, 10.9916



13.1417, 16.8568, 13.8703



12.7553, 16.8568, 18.5033

Triad

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



13.1417, 16.8568, 13.8703



16.0739, 16.8568, 30.3843



19.2361, 16.8568, 13.6577

Complementary

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



13.1417, 16.8568, 13.8703



14.4970, 12.3097, 17.2354

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.



19.8033, 16.8568, 18.2059



13.1417, 16.8568, 13.8703



17.8942, 16.8568, 28.4347

Square

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



13.1417, 16.8568, 13.8703



14.3684, 16.8568, 28.6343



19.2948, 16.8568, 23.7132



17.7976, 16.8568, 10.8863

Rectangle

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



13.1417, 16.8568, 13.8703



12.9538, 16.8568, 22.1781



19.2948, 16.8568, 23.7132



19.5397, 16.8568, 14.9972

Sweetspot

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



13.1422, 16.8575, 13.8707



29.4096, 32.7123, 33.1141



15.5962, 18.1684, 11.9176



6.6193, 7.4285, 7.4296



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.



13.1422, 16.8575, 13.8707



21.5533, 28.8972, 22.1274



13.9934, 17.1980, 18.3534



3.9904, 4.4658, 4.4834



7.6028, 14.7648, 3.8934



35.9597, 70.3069, 16.9576

Inverse Universe

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



14.4970, 12.3097, 17.2354



24.3230, 19.5948, 29.0022



13.6507, 11.9712, 12.7790



4.1113, 4.0603, 4.7840



10.3765, 5.1268, 10.5396



49.1315, 24.3089, 48.3499

Previews

White Background



This preview shows how the XYZ color 13.1417, 16.8568, 13.8703 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 13.1417, 16.8568, 13.8703 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 13.1417, 16.8568, 13.8703

Background



This preview shows how black text looks on a background with the XYZ color 13.1417, 16.8568, 13.8703.



This preview shows how white text looks on a background with the XYZ color 13.1417, 16.8568,

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

13.1417, 16.8568, 13.8703

Protanopia

15.7388, 16.8180, 12.7726

Deuteranopia

17.0821, 16.8178, 14.4024



Tritanopia

14.9253, 16.8689, 22.5480

Trichromacy



Original Color

13.1417, 16.8568, 13.8703

Protanomaly

14.5660, 16.7189, 13.0490

Deuteranomaly

15.3397, 16.5803, 14.1962

Tritanomaly

14.1628, 16.7299, 19.0057

Monochromacy



Original Color

13.1417, 16.8568, 13.8703

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 13.1417, 16.8568, 13.8703 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, 97)` looks like.

```
.text, #text, p{  
    color:rgb(88, 122, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 122, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.1417, 16.8568, 13.8703 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, 97) }
```


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

```
.border{ border-color:rgb(88, 122, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 122, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 122, 97);  
box-shadow:4px 4px 4px 4px rgb(88, 122,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1417, 16.8568, 13.8703 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, 97) }
```

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

```
.background{ background-color: rgb(88, 122,  
97) }
```

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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