

Converting Colors

XYZ(13.1656, 17.0981, 16.5849)

Have a look what the booklet for
XYZ(13.1656, 17.0981, 16.5849)
contains.

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Color

**XYZ(13.1698, 17.1823,
16.5323)**

Conversions

Conversions Part 1

Format	Color
Hex	507C6B
RGB	80, 124, 107
RGB Percent	31%, 49%, 42%
CMY	0.6863, 0.5137, 0.5804
CMYK	0.35, 0.00, 0.14, 0.51
HSL	157°, 22%, 40%
HSV	157°, 35%, 49%
XYZ	13.1698, 17.1823, 16.5323
YIQ	108.9060, -20.7670, -14.6150

Conversions

Conversions Part 2

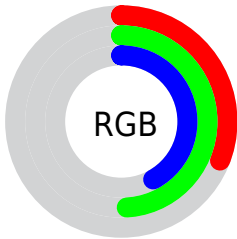
Format	Color
RYB	80, 107, 124
Decimal	5274731
CIELab	48.49, -19.24, 4.49
CIELCh	48, 19.754, 166.862
Yxy	17.1823, 0.2809, 0.3665
Android (android.graphics.Color)	4283464811 (0xFF507C6B)
YUV	108.9060, -0.9397, -25.3506
Hunter-Lab	41.4515, -15.8280, 5.3692

Details

The XYZ color **13.1698, 17.1823, 16.5323** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.3392, 10.8860, 12.7083**, and the grayscale version is **14.5164, 15.2724, 16.6316**.

A 20% lighter version of the original color is **31.2538, 38.7382, 38.1777**, and **3.9274, 5.6655, 5.1615** is the 20% darker color. If you saturate the color by 10%, you get **11.9728, 16.5940, 15.1969**, and if you desaturate by 10%, it is **14.5750, 17.8772, 17.9511**.

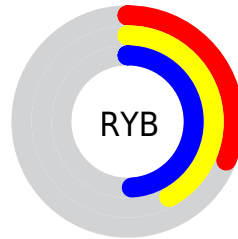
Distribution



Red (31%)

Green (49%)

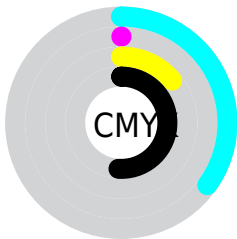
Blue (42%)



Red (31%)

Yellow (42%)

Blue (49%)

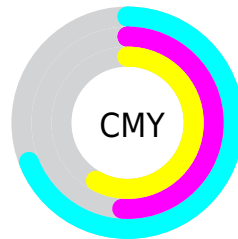


Cyan (35%)

Magenta (0%)

Yellow (14%)

Black (51%)



Cyan (69%)


Magenta (51%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1698, 17.1823, 16.5323 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 13.1698, 17.1823, 16.5323 by changing the saturation by 10% instead.


 13.1698, 17.1823,
16.5323


 13.1698, 17.1823,
16.5323


205.6187,
236.2207, 244.4146


 7.6234, 10.3646,
9.7432


 31.2072, 38.6389,
38.2994


 3.9047, 5.6413,
5.1256

 44.4289, 54.0466,
54.1145


 1.6484, 2.6282,
2.2611

 60.9398, 73.0864,
73.7754

 0.4236, 0.9409,
0.7093

 81.1052, 96.1427,
97.7005

 0.0000, 0.0000,
0.0000

 105.2904,
123.5999, 126.3084

133.8608,

155.8424, 160.0177

167.1818,
193.2545, 199.2469

■ 13.1698, 17.1823,
16.5323

■ 13.1698, 17.1823,
16.5323

■ 11.9728, 16.5940,
15.1969

■ 14.5750, 17.8772,
17.9511

■ 10.9718, 16.1047,
13.9420

■ 16.1969, 18.6818,
19.4538

■ 10.1552, 15.7089,
12.7664

■ 18.0456, 19.6015,
21.0423

■ 9.5098, 15.3998,
11.6681

■ 20.1297, 20.6410,
22.7182

■ 9.0205, 15.1697,
10.6452

■ 22.4577, 21.8045,
24.4828

■ 8.6623, 15.0057,
9.6952

■ 25.0374, 23.0960,
26.3375

■ 8.5155, 14.9389,
9.2884

■ 27.8764, 24.5194,
28.2839

■ 30.9820, 26.0785,
30.3231

■ 34.3610, 27.7767,
32.4566

Harmonies

Analogous

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



13.9200, 17.1823, 12.6851



13.1698, 17.1823, 16.5323



13.2206, 17.1823, 21.7527

Triad

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



13.1698, 17.1823, 16.5323



17.3622, 17.1823, 29.9662



18.8296, 17.1823, 12.3348

Complementary

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



13.1698, 17.1823, 16.5323



13.3392, 10.8860, 12.7083

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.



19.8952, 17.1823, 15.9627



13.1698, 17.1823, 16.5323



19.0060, 17.1823, 26.3888

Square

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



13.1698, 17.1823, 16.5323



15.5525, 17.1823, 30.1964



19.9620, 17.1823, 21.0680



17.1355, 17.1823, 10.5811

Rectangle

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



13.1698, 17.1823, 16.5323



13.7009, 17.1823, 25.3507



19.9620, 17.1823, 21.0680



19.2784, 17.1823, 13.3416

Sweetspot

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



13.1703, 17.1830, 16.5327



29.8257, 33.5325, 35.3946



13.6502, 17.5697, 10.2617



6.9425, 7.8567, 8.2649



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



13.1703, 17.1830, 16.5327



21.3548, 29.3409, 27.0768



13.6154, 16.4983, 21.5364



4.0445, 4.4874, 4.7683



8.6552, 15.1858, 9.4353



40.8603, 72.2672, 42.7641

Inverse Universe

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



13.3392, 10.8860, 12.7083



21.7032, 16.4351, 19.2498



12.9622, 11.2677, 9.0815



4.0565, 4.0383, 4.4950



8.9894, 4.5719, 3.2353



42.4912, 21.6528, 13.3828

Previews

White Background



This preview shows how the XYZ color 13.1698, 17.1823, 16.5323 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 13.1698, 17.1823, 16.5323 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

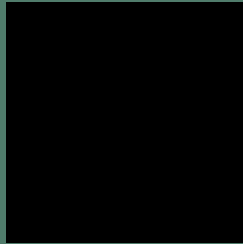
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.1698, 17.1823, 16.5323

Background



This preview shows how black text looks on a background with the XYZ color 13.1698, 17.1823, 16.5323.

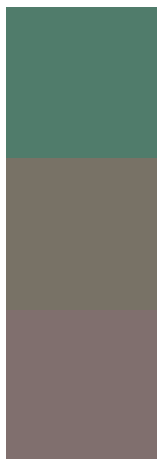


This preview shows how white text looks on a background with the XYZ color 13.1698, 17.1823,

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

13.1698, 17.1823, 16.5323

Protanopia

16.1613, 16.9870, 14.9974

Deuteranopia

17.4010, 17.0839, 17.1322



Tritanopia

14.6129, 17.2177, 23.6723

Trichromacy



Original Color

13.1698, 17.1823, 16.5323

Protanomaly

14.8028, 16.9596, 15.5900

Deuteranomaly

15.5613, 16.9744, 16.9242

Tritanomaly

14.0397, 17.1632, 20.9852

Monochromacy



Original Color

13.1698, 17.1823, 16.5323

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.7611, 15.7140, 16.4952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1698, 17.1823, 16.5323 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(80, 124, 107) looks like.

```
.text, #text, p{  
    color:rgb(80, 124, 107)  
}
```

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(80, 124, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 124, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.1698, 17.1823, 16.5323 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(80, 124, 107) }
```


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

```
.border{ border-color:rgb(80, 124, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 124, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 124, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 124, 107);  
box-shadow:4px 4px 4px 4px rgb(80, 124,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.1698, 17.1823, 16.5323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 124, 107) }
```

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

```
.background{ background-color: rgb(80, 124,  
107) }
```

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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