

Converting Colors

XYZ(18.1742, 18.1008, 13.7235)

Have a look what the booklet for
XYZ(18.1742, 18.1008, 13.7235)
contains.

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Color

**XYZ(18.1667, 18.0486,
13.8355)**

Conversions

Conversions Part 1

Format	Color
Hex	877261
RGB	135, 114, 97
RGB Percent	53%, 45%, 38%
CMY	0.4706, 0.5529, 0.6196
CMYK	0.00, 0.16, 0.28, 0.47
HSL	27°, 16%, 45%
HSV	27°, 28%, 53%
XYZ	18.1667, 18.0486, 13.8355
YIQ	118.3410, 17.9730, -0.8350

Conversions

Conversions Part 2

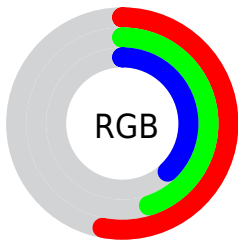
Format	Color
R_{YB}	135, 128, 97
Decimal	8876641
CIE _{Lab}	49.56, 5.45, 12.48
CIE _{LCh}	50, 13.616, 66.402
Yxy	18.0486, 0.3630, 0.3606
Android (android.graphics.Color)	4287066721 (0xFF877261)
YUV	118.3410, -10.5211, 14.6099
Hunter-Lab	42.4836, 1.9831, 10.4298

Details

The XYZ color **18.1667, 18.0486, 13.8355** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.7813, 17.2471, 25.4191**, and the grayscale version is **17.3553, 18.2591, 19.8842**.

A 20% lighter version of the original color is **39.9678, 40.2294, 33.6755**, and **6.2921, 6.0667, 3.9713** is the 20% darker color. If you saturate the color by 10%, you get **16.7828, 16.2038, 10.5285**, and if you desaturate by 10%, it is **19.7274, 20.0752, 17.7304**.

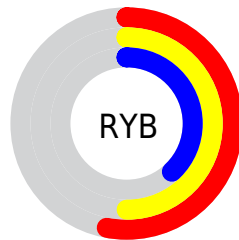
Distribution



Red (53%)

Green (45%)

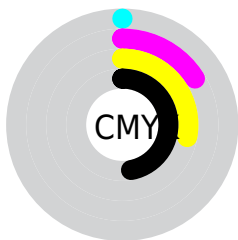
Blue (38%)



Red (53%)

Yellow (50%)

Blue (38%)

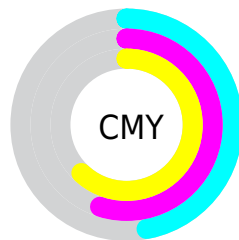


Cyan (0%)

Magenta (16%)

Yellow (28%)

Black (47%)



Cyan (47%)

Magenta (55%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.1667, 18.0486, 13.8355 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 18.1667, 18.0486, 13.8355 by changing the saturation by 10% instead.

■ 18.1667, 18.0486,
13.8355

■ 18.1667, 18.0486,
13.8355

234.8364,
241.1448, 227.5978

■ 11.1701, 10.9849,
7.8689

■ 39.8490, 40.1201,
33.5098

■ 6.2495, 6.0567,
3.9246

■ 55.2655, 55.8967,
48.0545

■ 3.0395, 2.8796,
1.5841

■ 74.2194, 75.3464,
66.2958

■ 1.1747, 1.0692,
0.2794

■ 97.0759, 98.8536,
88.6520

■ 0.0862, 0.0000,
0.0000

124.2006,
126.8026, 115.5418

■ 0.0000, 0.0000,
0.0000

155.9586,

159.5779, 147.3836

192.7155,
197.5638, 184.5961

■ 18.1667, 18.0486,
13.8355

■ 18.1667, 18.0486,
13.8355

■ 16.7828, 16.2038,
10.5285

■ 19.7274, 20.0752,
17.7304

■ 15.5671, 14.5328,
7.7791

■ 21.4700, 22.2863,
22.2392

■ 14.5126, 13.0308,
5.5562

■ 23.4013, 24.6877,
27.3876

■ 13.6110, 11.6917,
3.8249

■ 25.5271, 27.2840,
33.1996

■ 12.8531, 10.5088,
2.5461

■ 27.8532, 30.0798,
39.6977

■ 12.2286, 9.4749,
1.6746

■ 30.3849, 33.0795,
46.9037

■ 11.7165, 8.5785,
1.1101

■ 33.1274, 36.2874,
54.8381

■ 11.6289, 8.4252,
1.0133

■ 36.0857, 39.7075,
63.5209

■ 39.2647, 43.3439,
72.9710

Harmonies

Analogous

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



19.2291, 18.0486, 15.7312



18.1667, 18.0486, 13.8355



16.8796, 18.0486, 13.4051

Triad

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



18.1667, 18.0486, 13.8355



14.8063, 18.0486, 20.4544



18.6688, 18.0486, 25.9406

Complementary

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



18.1667, 18.0486, 13.8355



15.7813, 17.2471, 25.4191

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.



17.4327, 18.0486, 27.5886



18.1667, 18.0486, 13.8355



15.2350, 18.0486, 24.1752

Square

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



18.1667, 18.0486, 13.8355



14.9810, 18.0486, 16.9435



16.1809, 18.0486, 26.9052



19.5290, 18.0486, 22.6344

Rectangle

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



18.1667, 18.0486, 13.8355



16.0754, 18.0486, 13.9520



16.1809, 18.0486, 26.9052



18.2812, 18.0486, 26.7246

Sweetspot

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



18.1672, 18.0494, 13.8359



38.4380, 39.8973, 39.7988



17.5684, 15.0212, 19.2798



8.7990, 9.1104, 8.9473



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



18.1672, 18.0494, 13.8359



30.8595, 30.1013, 20.7454



20.4642, 22.6436, 14.6016



4.8314, 5.0063, 4.9410



10.7362, 7.7950, 0.9387



0.0443, 0.0412, 0.0056

Inverse Universe

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



15.7813, 17.2471, 25.4191



25.8273, 28.4071, 45.1702



13.8157, 13.3160, 24.7639



4.6319, 4.9394, 5.9100



6.3410, 6.2298, 22.0050



0.0293, 0.0362, 0.0787

Previews

White Background



This preview shows how the XYZ color 18.1667, 18.0486, 13.8355 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 18.1667, 18.0486, 13.8355 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 × Fail

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

XYZ 18.1667, 18.0486, 13.8355

Background



This preview shows how black text looks on a background with the XYZ color 18.1667, 18.0486, 13.8355.



This preview shows how white text looks on a background with the XYZ color 18.1667, 18.0486,

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

18.1667, 18.0486, 13.8355

Protanopia

17.0427, 18.1428, 14.4080

Deuteranopia

18.3793, 17.9917, 13.8133



Tritanopia

19.4954, 18.1041, 19.9197

Trichromacy



Original Color

18.1667, 18.0486, 13.8355

Protanomaly

17.4680, 18.1936, 14.1463

Deuteranomaly

18.2161, 17.9076, 13.8057

Tritanomaly

18.9799, 18.0544, 17.5234

Monochromacy



Original Color

18.1667, 18.0486, 13.8355

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.4879, 18.1335, 17.3302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.1667, 18.0486, 13.8355 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(135, 114, 97)` looks like.

```
.text, #text, p{  
    color:rgb(135, 114, 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(135, 114, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 114, 97) }
```

Border

The CSS property to change the border of an element to XYZ 18.1667, 18.0486, 13.8355 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(135, 114, 97) }
```


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

```
.border{ border-color:rgb(135, 114, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 114, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 114, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 114, 97);  
box-shadow:4px 4px 4px 4px rgb(135, 114,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 18.1667, 18.0486, 13.8355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 114, 97) }
```

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

```
.background{ background-color: rgb(135,  
114, 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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