

Converting Colors

XYZ(13.3451, 18.0119, 17.6171)

Have a look what the booklet for
XYZ(13.3451, 18.0119, 17.6171)
contains.

XYZ(13.3577, 18.0200, 17.5260)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(13.3577, 18.0200,
17.5260)**

Conversions

Conversions Part 1

Format	Color
Hex	4A806E
RGB	74, 128, 110
RGB Percent	29%, 50%, 43%
CMY	0.7098, 0.4980, 0.5686
CMYK	0.42, 0.00, 0.14, 0.50
HSL	160°, 27%, 40%
HSV	160°, 42%, 50%
XYZ	13.3577, 18.0200, 17.5260
YIQ	109.8020, -26.4060, -17.0460

Conversions

Conversions Part 2

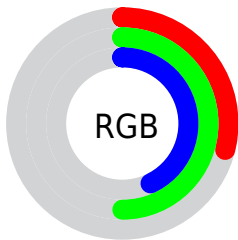
Format	Color
RYB	74, 106, 128
Decimal	4882542
CIELab	49.52, -22.46, 4.17
CIELCh	50, 22.843, 169.476
Yxy	18.0200, 0.2731, 0.3685
Android (android.graphics.Color)	4283072622 (0xFF4A806E)
YUV	109.8020, 0.0976, -31.3984
Hunter-Lab	42.4500, -18.1190, 5.2364

Details

The XYZ color **13.3577, 18.0200, 17.5260** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **13.2833, 10.2600, 11.4063**, and the grayscale version is **14.7698, 15.5390, 16.9220**.

A 20% lighter version of the original color is **31.5029, 40.0164, 40.2460**, and **3.9472, 5.9787, 5.5034** is the 20% darker color. If you saturate the color by 10%, you get **12.2441, 17.4726, 16.2904**, and if you desaturate by 10%, it is **14.6841, 18.6767, 18.8307**.

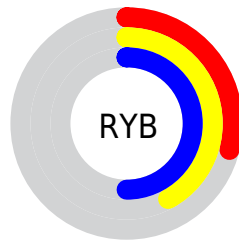
Distribution



Red (29%)

Green (50%)

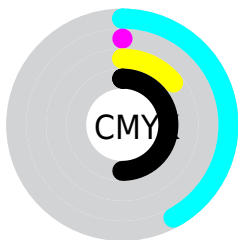
Blue (43%)



Red (29%)

Yellow (42%)

Blue (50%)

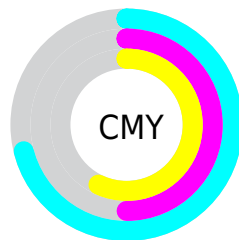


Cyan (42%)

Magenta (0%)

Yellow (14%)

Black (50%)



Cyan (71%)

Magenta (50%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3577, 18.0200, 17.5260 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 13.3577, 18.0200, 17.5260 by changing the saturation by 10% instead.

■ 13.3577, 18.0200,
17.5260

■ 13.3577, 18.0200,
17.5260

206.7892,
240.9838, 250.3313

■ 7.7540, 10.9643,
10.4443

■ 31.5408, 40.0714,
40.0309

■ 3.9884, 6.0429,
5.5851

■ 44.8509, 55.8359,
56.2913

■ 1.6956, 2.8712,
2.5298

■ 61.4606, 75.2722,
76.4482

■ 0.4535, 1.0648,
0.8559

■ 81.7351, 98.7647,
100.9203

■ 0.0000, 0.0000,
0.0000

■ 106.0399,
126.6976, 130.1262

134.7402,

159.4555, 164.4843

168.2016,
197.4228, 204.4131

■ 13.3577, 18.0200,
17.5260

■ 13.3577, 18.0200,
17.5260

■ 12.2441, 17.4726,
16.2904

■ 14.6841, 18.6767,
18.8307

■ 11.3293, 17.0259,
15.1214

■ 16.2331, 19.4465,
20.2047

■ 10.6002, 16.6737,
14.0178

■ 18.0157, 20.3353,
21.6496

■ 10.0411, 16.4079,
12.9781

■ 20.0419, 21.3484,
23.1667

■ 9.6338, 16.2192,
12.0006

■ 22.3208, 22.4904,
24.7571

■ 9.3724, 16.1002,
11.2773

■ 24.8613, 23.7658,
26.4220

■ 27.6717, 25.1790,
28.1625

■ 30.7600, 26.7341,
29.9797

■ 34.1338, 28.4349,
31.8746

Harmonies

Analogous

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



14.1586, 18.0200, 12.8585



13.3577, 18.0200, 17.5260



13.5004, 18.0200, 23.8626

Triad

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



13.3577, 18.0200, 17.5260



18.5508, 18.0200, 33.1174



19.9723, 18.0200, 11.8927

Complementary

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



13.3577, 18.0200, 17.5260



13.2833, 10.2600, 11.4063

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.



21.3521, 18.0200, 15.9139



13.3577, 18.0200, 17.5260



20.4848, 18.0200, 28.4153

Square

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



13.3577, 18.0200, 17.5260



16.3795, 18.0200, 33.8037



21.5471, 18.0200, 21.8760



17.8978, 18.0200, 10.0908

Rectangle

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



13.3577, 18.0200, 17.5260



14.1156, 18.0200, 28.2022



21.5471, 18.0200, 21.8760



20.5399, 18.0200, 12.9848

Sweetspot

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



13.3582, 18.0207, 17.5264



31.3483, 35.6174, 37.8268



13.4599, 18.2555, 9.2931



7.1930, 8.2659, 8.7404



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



13.3582, 18.0207, 17.5264



21.5592, 30.7631, 28.6836



13.4254, 16.4240, 22.8855



4.3874, 4.8633, 5.2111



9.2937, 15.9640, 11.1852



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.2833, 10.2600, 11.4063



21.4139, 15.1099, 16.3682



13.1635, 11.1338, 7.9341



4.3823, 4.3661, 4.8178



9.2540, 4.7213, 2.6616



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.3577, 18.0200, 17.5260 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 13.3577, 18.0200, 17.5260 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 13.3577, 18.0200, 17.5260

Background



This preview shows how black text looks on a background with the XYZ color 13.3577, 18.0200, 17.5260.

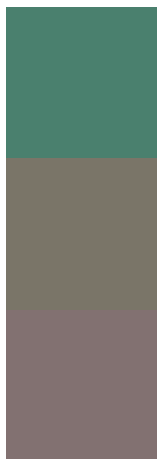


This preview shows how white text looks on a background with the XYZ color 13.3577, 18.0200,

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

13.3577, 18.0200, 17.5260

Protanopia

16.8860, 17.8596, 15.6540

Deuteranopia

18.0917, 17.7483, 18.0950



Tritanopia

15.0151, 18.1220, 25.6282

Trichromacy



Original Color

13.3577, 18.0200, 17.5260

Protanomaly

15.2646, 17.7186, 16.2512

Deuteranomaly

15.8335, 17.4417, 17.8613

Tritanomaly

14.3686, 18.0478, 22.4649

Monochromacy



Original Color

13.3577, 18.0200, 17.5260

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

14.1055, 16.3898, 17.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3577, 18.0200, 17.5260 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(74, 128, 110)` looks like.

```
.text, #text, p{  
    color:rgb(74, 128, 110)  
}
```

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(74, 128, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 128, 110) }
```

Border

The CSS property to change the border of an element to XYZ 13.3577, 18.0200, 17.5260 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(74, 128, 110) }
```


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

```
.border{ border-color:rgb(74, 128, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 128, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 128, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 128, 110);  
box-shadow:4px 4px 4px 4px rgb(74, 128,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 13.3577, 18.0200, 17.5260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 128, 110) }
```

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

```
.background{ background-color: rgb(74, 128,  
110) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor