

Converting Colors

XYZ(18.7138, 26.2687, 17.1808)

Have a look what the booklet for
XYZ(18.7138, 26.2687, 17.1808)
contains.

XYZ(18.7138, 26.2687, 17.1808)	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(18.7138, 26.2687,
17.1808)**

Conversions

Conversions Part 1

Format	Color
Hex	609968
RGB	96, 153, 104
RGB Percent	38%, 60%, 41%
CMY	0.6235, 0.4000, 0.5922
CMYK	0.37, 0.00, 0.32, 0.40
HSL	128°, 23%, 49%
HSV	128°, 37%, 60%
XYZ	18.7138, 26.2687, 17.1808
YIQ	130.3710, -18.2430, -27.3230

Conversions

Conversions Part 2

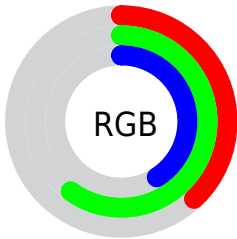
Format	Color
R_{YB}	96, 146, 153
Decimal	6330728
CIE _{Lab}	58.29, -29.34, 20.01
CIE _{LCh}	58, 35.518, 145.704
Yxy	26.2687, 0.3010, 0.4226
Android (android.graphics.Color)	4284520808 (0xFF609968)
YUV	130.3710, -13.0009, -30.1434
Hunter-Lab	51.2530, -24.5178, 16.0022

Details

The XYZ color **18.7138, 26.2687, 17.1808** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.4314, 17.1829, 28.9234**, and the grayscale version is **21.3994, 22.5138, 24.5176**.

A 20% lighter version of the original color is **40.8667, 53.8679, 39.2540**, and **6.4497, 10.1508, 5.3607** is the 20% darker color. If you saturate the color by 10%, you get **16.6413, 25.2723, 13.8644**, and if you desaturate by 10%, it is **21.2052, 27.4705, 21.0620**.

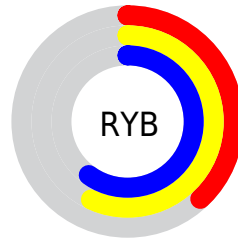
Distribution



Red (38%)

Green (60%)

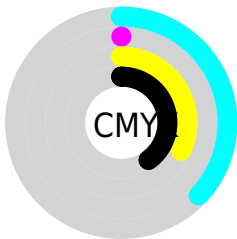
Blue (41%)



Red (38%)

Yellow (57%)

Blue (60%)

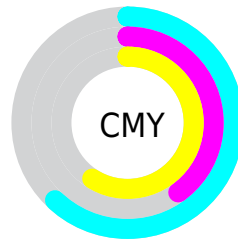


Cyan (37%)

Magenta (0%)

Yellow (32%)

Black (40%)



Cyan (62%)

Magenta (40%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7138, 26.2687, 17.1808 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 18.7138, 26.2687, 17.1808 by changing the saturation by 10% instead.

■ 18.7138, 26.2687,
17.1808

■ 18.7138, 26.2687,
17.1808

237.8327,
284.0986, 248.2913

■ 11.5664, 17.0248,
10.2002

■ 40.7705, 53.7081,
39.4313

■ 6.5193, 10.2521,
5.4245

■ 56.4106, 72.6724,
55.5382

■ 3.2070, 5.5665,
2.4354

■ 75.6124, 95.6455,
75.5243

■ 1.2641, 2.5833,
0.8056

■ 98.7411, 123.0120,
99.8081

■ 0.1561, 0.9183,
0.0000

126.1621,
155.1561, 128.8081

■ 0.0000, 0.0000,
0.0000

158.2408,

192.4624, 162.9430

195.3426,
235.3151, 202.6312

■ 18.7138, 26.2687,
17.1808

■ 18.7138, 26.2687,
17.1808

■ 16.6413, 25.2723,
13.8644

■ 21.2052, 27.4705,
21.0620

■ 14.9626, 24.4667,
11.0847

■ 24.1348, 28.8849,
25.5307

■ 13.6530, 23.8405,
8.8140


■ 27.5231, 30.5227,
30.6106


■ 12.6843, 23.3797,
7.0215


■ 31.3886, 32.3930,
36.3234


■ 12.0238, 23.0684,
5.6728


■ 35.7490, 34.5045,
42.6899


 11.6207, 22.8811,
4.7285

 40.6210, 36.8653,
49.7300

 11.5315, 22.8394,
4.5334

 46.0203, 39.4832,
57.4626

 51.9624, 42.3657,
65.9058

 58.4616, 45.5199,
75.0773

Harmonies

Analogous

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



21.5349, 26.2687, 12.0735



18.7138, 26.2687, 17.1808



17.5655, 26.2687, 26.8564

Triad

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



18.7138, 26.2687, 17.1808



24.3504, 26.2687, 59.4943



33.2266, 26.2687, 19.4739

Complementary

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



18.7138, 26.2687, 17.1808



22.4314, 17.1829, 28.9234

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.



34.2024, 26.2687, 30.4220



18.7138, 26.2687, 17.1808



28.7470, 26.2687, 55.8441

Square

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



18.7138, 26.2687, 17.1808



20.5727, 26.2687, 53.1056



32.4793, 26.2687, 44.2131



29.9476, 26.2687, 13.1046

Rectangle

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



18.7138, 26.2687, 17.1808



17.7933, 26.2687, 35.5375



32.4793, 26.2687, 44.2131



33.8499, 26.2687, 22.6334

Sweetspot

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



18.7145, 26.2698, 17.1814



46.7843, 53.4495, 51.0801



25.2512, 29.6844, 15.4654



10.1660, 11.7226, 11.0326



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



18.7145, 26.2698, 17.1814



30.2660, 45.4813, 25.5822



20.3876, 26.9390, 25.9917



6.1657, 6.9390, 6.7961



9.5381, 18.8787, 3.7885



0.1506, 0.2854, 0.0985

Inverse Universe

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



22.4314, 17.1829, 28.9234



37.9364, 26.7097, 49.7986



20.5255, 16.4206, 18.8870



6.4239, 6.3087, 7.6125



14.2820, 6.9670, 18.5416



0.2225, 0.1077, 0.3245

Previews

White Background



This preview shows how the XYZ color 18.7138, 26.2687, 17.1808 looks on a white 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

Black Background



This preview shows how the XYZ color 18.7138, 26.2687, 17.1808 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 18.7138, 26.2687, 17.1808

Background



This preview shows how black text looks on a background with the XYZ color 18.7138, 26.2687, 17.1808.



This preview shows how white text looks on a background with the XYZ color 18.7138, 26.2687,

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

18.7138, 26.2687, 17.1808

Protanopia

24.1997, 25.9264, 15.2841

Deuteranopia

26.3361, 25.9194, 17.8022



Tritanopia

22.5138, 26.1522, 36.2090

Trichromacy



Original Color

18.7138, 26.2687, 17.1808

Protanomaly

21.6336, 25.6919, 15.8754

Deuteranomaly

22.8262, 25.6003, 17.6482

Tritanomaly

20.9284, 26.2134, 28.0014

Monochromacy



Original Color

18.7138, 26.2687, 17.1808

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.0109, 23.4090, 21.5529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7138, 26.2687, 17.1808 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(96, 153, 104)` looks like.

```
.text, #text, p{  
    color:rgb(96, 153, 104)  
}
```

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(96, 153, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 153, 104) }
```

Border

The CSS property to change the border of an element to XYZ 18.7138, 26.2687, 17.1808 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(96, 153, 104) }
```


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

```
.border{ border-color:rgb(96, 153, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 153, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 153, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 153, 104);  
box-shadow:4px 4px 4px 4px rgb(96, 153,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7138, 26.2687, 17.1808 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 153, 104) }
```

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

```
.background{ background-color: rgb(96, 153,  
104) }
```

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