

Converting Colors

XYZ(13.4349, 18.0187, 15.0116)

Have a look what the booklet for
XYZ(13.4349, 18.0187, 15.0116)
contains.

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Color

**XYZ(13.5478, 18.1718,
15.1054)**

Conversions

Conversions Part 1

Format	Color
Hex	528065
RGB	82, 128, 101
RGB Percent	32%, 50%, 40%
CMY	0.6784, 0.4980, 0.6039
CMYK	0.36, 0.00, 0.21, 0.50
HSL	145°, 22%, 41%
HSV	145°, 36%, 50%
XYZ	13.5478, 18.1718, 15.1054
YIQ	111.1680, -18.7490, -18.1490

Conversions

Conversions Part 2

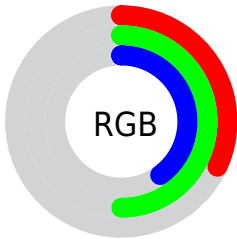
Format	Color
R_{YB}	82, 115, 128
Decimal	5406821
CIE _{Lab}	49.70, -22.02, 9.75
CIE _{LCh}	50, 24.083, 156.125
Yxy	18.1718, 0.2893, 0.3881
Android (android.graphics.Color)	4283596901 (0xFF528065)
YUV	111.1680, -5.0128, -25.5803
Hunter-Lab	42.6284, -17.8703, 8.8304

Details

The XYZ color **13.5478, 18.1718, 15.1054** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.6803, 11.7283, 15.9587**, and the grayscale version is **15.1766, 15.9670, 17.3880**.

A 20% lighter version of the original color is **31.8642, 40.3013, 35.8053**, and **4.0499, 6.0552, 4.4453** is the 20% darker color. If you saturate the color by 10%, you get **12.1855, 17.5106, 13.2072**, and if you desaturate by 10%, it is **15.1524, 18.9550, 17.1914**.

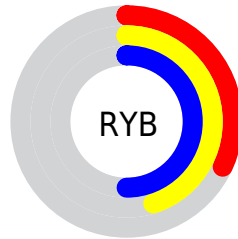
Distribution



Red (32%)

Green (50%)

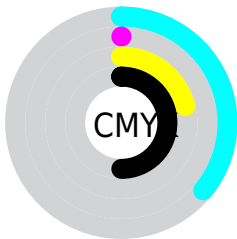
Blue (40%)



Red (32%)

Yellow (45%)

Blue (50%)

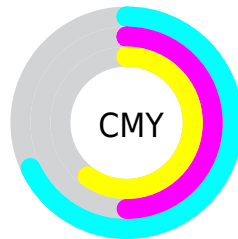


Cyan (36%)

Magenta (0%)

Yellow (21%)

Black (50%)



Cyan (68%)

Magenta (50%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5478, 18.1718, 15.1054 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 13.5478, 18.1718, 15.1054 by changing the saturation by 10% instead.

■ 13.5478, 18.1718,
15.1054

■ 13.5478, 18.1718,
15.1054

207.9666,
241.8376, 235.6660

■ 7.8864, 11.0734,
8.7459

■ 31.8775, 40.3299,
35.7829

■ 4.0736, 6.1162,
4.4813

■ 45.2765, 56.1583,
50.9380

■ 1.7438, 2.9159,
1.8929

■ 61.9855, 75.6655,
69.8621

■ 0.4835, 1.0880,
0.4882

■ 82.3697, 99.2360,
92.9737

■ 0.0000, 0.0000,
0.0000

■ 106.7946,
127.2540, 120.6914

135.6255,

160.1040, 153.4336

169.2277,
198.1704, 191.6190

■ 13.5478, 18.1718,
15.1054

■ 13.5478, 18.1718,
15.1054

■ 12.1855, 17.5106,
13.2072

■ 15.1524, 18.9550,
17.1914

■ 11.0516, 16.9629,
11.4904

■ 17.0095, 19.8639,
19.4691

■ 10.1329, 16.5224,
9.9498

■ 19.1302, 20.9046,
21.9437

■ 9.4143, 16.1815,
8.5797

■ 21.5247, 22.0822,
24.6199

■ 8.8784, 15.9314,
7.3737

■ 24.2026, 23.4017,
27.5022

■ 8.4965, 15.7574,
6.3250

■ 27.1731, 24.8677,
30.5949

■ 8.3591, 15.6949,
5.9413

■ 30.4447, 26.4844,
33.9024

■ 34.0259, 28.2563,
37.4286

■ 37.9246, 30.1872,
41.1777

Harmonies

Analogous

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



14.8022, 18.1718, 11.2433



13.5478, 18.1718, 15.1054



13.2507, 18.1718, 21.1631

Triad

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



13.5478, 18.1718, 15.1054



17.7461, 18.1718, 35.1719



21.0808, 18.1718, 13.2400

Complementary

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



13.5478, 18.1718, 15.1054



14.6803, 11.7283, 15.9587

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.



22.0336, 18.1718, 18.4699



13.5478, 18.1718, 15.1054



20.0018, 18.1718, 31.8292

Square

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



13.5478, 18.1718, 15.1054



15.5490, 18.1718, 33.7137



21.6223, 18.1718, 25.3455



19.1172, 18.1718, 10.3447

Rectangle

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



13.5478, 18.1718, 15.1054



13.6101, 18.1718, 25.8788



21.6223, 18.1718, 25.3455



21.5375, 18.1718, 14.7334

Sweetspot

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



13.5483, 18.1726, 15.1058



31.6369, 35.8008, 36.2744



15.6235, 19.3378, 10.8919



7.3111, 8.3348, 8.3803



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.



13.5483, 18.1726, 15.1058



21.8888, 31.0397, 23.8784



14.7997, 18.6731, 21.6955



4.3440, 4.8459, 4.9825



8.2890, 15.5622, 5.8945



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.6803, 11.7283, 15.9587



24.1850, 17.9570, 25.6003



13.6239, 11.3057, 10.3957



4.4253, 4.3833, 5.0442



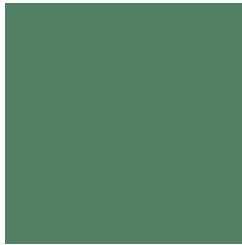
10.0915, 5.0563, 7.0716



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 13.5478, 18.1718, 15.1054 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 13.5478, 18.1718, 15.1054 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 13.5478, 18.1718, 15.1054

Background



This preview shows how black text looks on a background with the XYZ color 13.5478, 18.1718, 15.1054.



This preview shows how white text looks on a background with the XYZ color 13.5478, 18.1718,

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

13.5478, 18.1718, 15.1054

Protanopia

16.9301, 17.9271, 13.6343

Deuteranopia

18.2353, 17.8781, 15.5864



Tritanopia

15.6306, 18.2604, 25.2550

Trichromacy



Original Color

13.5478, 18.1718, 15.1054

Protanomaly

15.3487, 17.8078, 14.1836

Deuteranomaly

15.9968, 17.5810, 15.3823

Tritanomaly

14.6842, 18.0508, 21.1226

Monochromacy



Original Color

13.5478, 18.1718, 15.1054

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

14.2707, 16.4934, 16.3413

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5478, 18.1718, 15.1054 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(82, 128, 101)` looks like.

```
.text, #text, p{  
    color:rgb(82, 128, 101)  
}
```

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(82, 128, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 128, 101) }
```

Border

The CSS property to change the border of an element to XYZ 13.5478, 18.1718, 15.1054 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(82, 128, 101) }
```


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

```
.border{ border-color:rgb(82, 128, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 128, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 128, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 128, 101);  
box-shadow:4px 4px 4px 4px rgb(82, 128,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5478, 18.1718, 15.1054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 128, 101) }
```

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

```
.background{ background-color: rgb(82, 128,  
101) }
```

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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