

Converting Colors

XYZ(15.3481, 18.4702, 17.2715)

Have a look what the booklet for
XYZ(15.3481, 18.4702, 17.2715)
contains.

XYZ(15.3495, 18.4807, 17.2261)	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(15.3495, 18.4807,
17.2261)**

Conversions

Conversions Part 1

Format	Color
Hex	647D6D
RGB	100, 125, 109
RGB Percent	39%, 49%, 43%
CMY	0.6078, 0.5098, 0.5725
CMYK	0.20, 0.00, 0.13, 0.51
HSL	142°, 11%, 44%
HSV	142°, 20%, 49%
XYZ	15.3495, 18.4807, 17.2261
YIQ	115.7010, -9.7640, -10.2760

Conversions

Conversions Part 2

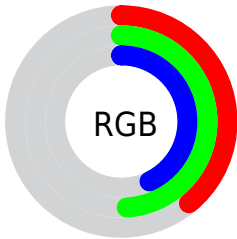
Format	Color
RYB	100, 118, 125
Decimal	6585709
CIELab	50.07, -12.52, 5.75
CIELCh	50, 13.776, 155.325
Yxy	18.4807, 0.3006, 0.3620
Android (android.graphics.Color)	4284775789 (0xFF647D6D)
YUV	115.7010, -3.3036, -13.7698
Hunter-Lab	42.9892, -11.4968, 6.3345

Details

The XYZ color **15.3495, 18.4807, 17.2261** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.1677, 14.7358, 18.5161**, and the grayscale version is **16.5213, 17.3817, 18.9287**.

A 20% lighter version of the original color is **35.0281, 40.9582, 39.3172**, and **4.9221, 6.2736, 5.5089** is the 20% darker color. If you saturate the color by 10%, you get **13.6604, 17.6580, 15.0003**, and if you desaturate by 10%, it is **17.2910, 19.4301, 19.6691**.

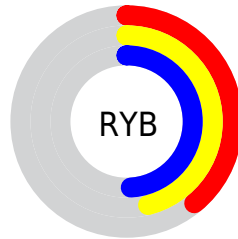
Distribution



Red (39%)

Green (49%)

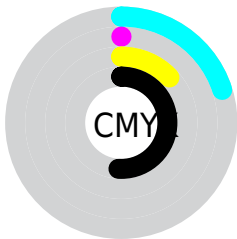
Blue (43%)



Red (39%)

Yellow (46%)

Blue (49%)

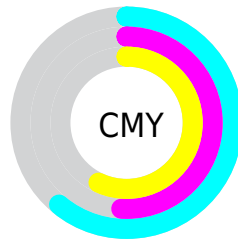


Cyan (20%)

Magenta (0%)

Yellow (13%)

Black (51%)



Cyan (61%)

Magenta (51%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3495, 18.4807, 17.2261 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 15.3495, 18.4807, 17.2261 by changing the saturation by 10% instead.

■ 15.3495, 18.4807,
17.2261

■ 15.3495, 18.4807,
17.2261

218.8187,
243.5667, 248.5599

■ 9.1529, 11.2957,
10.2322

■ 35.0318, 40.8547,
39.5101

■ 4.8990, 6.2661,
5.4455

■ 49.2483, 56.8125,
55.6372

■ 2.2223, 3.0075,
2.4477

■ 66.8687, 76.4633,
75.6458

■ 0.7544, 1.1357,
0.8123

■ 88.2586, 100.1916,
99.9544

■ 0.0000, 0.0082,
0.0000

113.7831,
128.3816, 128.9816

■ 0.0000, 0.0000,
0.0000

143.8078,

161.4179, 163.1459

178.6978,
199.6848, 202.8658

■ 15.3495, 18.4807,
17.2261

■ 15.3495, 18.4807,
17.2261

■ 13.6604, 17.6580,
15.0003

■ 17.2910, 19.4301,
19.6691

■ 12.2114, 16.9541,
12.9847

■ 19.4935, 20.5088,
22.3339

■ 10.9918, 16.3642,
11.1734

■ 21.9668, 21.7224,
25.2264

■ 9.9889, 15.8818,
9.5599

■ 24.7201, 23.0754,
28.3518

■ 9.1891, 15.5002,
8.1374

■ 27.7617, 24.5721,
31.7152

■ 8.5771, 15.2115,
6.8985

■ 31.1000, 26.2167,
35.3216

■ 8.1352, 15.0067,
5.8356

■ 34.7428, 28.0131,
39.1758

■ 7.8075, 14.8574,
4.9385

■ 38.6977, 29.9651,
43.2825

■ 42.9720, 32.0764,
47.6461

Harmonies

Analogous

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



16.1324, 18.4807, 14.7348



15.3495, 18.4807, 17.2261



15.1477, 18.4807, 20.8074

Triad

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



15.3495, 18.4807, 17.2261



17.8030, 18.4807, 28.3010



19.7281, 18.4807, 16.1897

Complementary

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



15.3495, 18.4807, 17.2261



16.1677, 14.7358, 18.5161

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.



20.2274, 18.4807, 19.4525



15.3495, 18.4807, 17.2261



19.0808, 18.4807, 26.6851

Square

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



15.3495, 18.4807, 17.2261



16.5226, 18.4807, 27.5112



19.9848, 18.4807, 23.3263



18.6511, 18.4807, 14.1912

Rectangle

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



15.3495, 18.4807, 17.2261



15.3607, 18.4807, 23.4092



19.9848, 18.4807, 23.3263



19.9715, 18.4807, 17.1585

Sweetspot

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



15.3500, 18.4815, 17.2265



32.4268, 35.5096, 37.0132



16.8703, 19.3184, 14.8966



7.3320, 8.0556, 8.3657



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.



15.3500, 18.4815, 17.2265



26.0465, 32.3917, 28.9740



16.0563, 18.7640, 20.9460



4.3350, 4.8423, 4.9355



8.1452, 15.5047, 5.1374



0.0000, 0.0000, 0.0000

Inverse Universe

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



16.1677, 14.7358, 18.5161



27.7898, 24.4041, 31.7218



15.5012, 14.4692, 15.0065



4.4345, 4.3869, 5.0925



10.3350, 5.1537, 8.3540



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.3495, 18.4807, 17.2261 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 15.3495, 18.4807, 17.2261 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

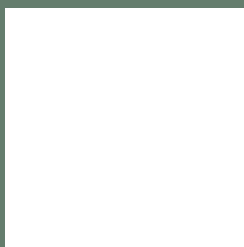
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.3495, 18.4807, 17.2261

Background



This preview shows how black text looks on a background with the XYZ color 15.3495, 18.4807, 17.2261.

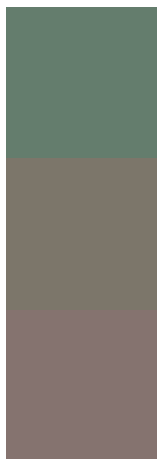


This preview shows how white text looks on a background with the XYZ color 15.3495, 18.4807,

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

15.3495, 18.4807, 17.2261

Protanopia

17.3921, 18.2826, 16.2479

Deuteranopia

18.6728, 18.3957, 17.6055



Tritanopia

16.7652, 18.5008, 24.1601

Trichromacy



Original Color

15.3495, 18.4807, 17.2261

Protanomaly

16.5614, 18.3811, 16.5849

Deuteranomaly

17.2965, 18.3844, 17.3888

Tritanomaly

16.2516, 18.4795, 21.4492

Monochromacy



Original Color

15.3495, 18.4807, 17.2261

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.0079, 17.7009, 18.1957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3495, 18.4807, 17.2261 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(100, 125, 109)` looks like.

```
.text, #text, p{  
    color:rgb(100, 125, 109)  
}
```

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(100, 125, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 125, 109) }
```

Border

The CSS property to change the border of an element to XYZ 15.3495, 18.4807, 17.2261 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(100, 125, 109) }
```


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

```
.border{ border-color:rgb(100, 125, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 125, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 125, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 125, 109);  
box-shadow:4px 4px 4px 4px rgb(100, 125,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3495, 18.4807, 17.2261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 125, 109) }
```

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

```
.background{ background-color: rgb(100,  
125, 109) }
```

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