

Converting Colors

XYZ(15.8916, 18.1699, 17.4360)

Have a look what the booklet for
XYZ(15.8916, 18.1699, 17.4360)
contains.

XYZ(15.9583, 18.2330, 17.4301)	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(15.9583, 18.2330,
17.4301)**

Conversions

Conversions Part 1

Format	Color
Hex	6C7A6E
RGB	108, 122, 110
RGB Percent	42%, 48%, 43%
CMY	0.5765, 0.5216, 0.5686
CMYK	0.11, 0.00, 0.10, 0.52
HSL	129°, 6%, 45%
HSV	129°, 11%, 48%
XYZ	15.9583, 18.2330, 17.4301
YIQ	116.4460, -4.4920, -6.7000

Conversions

Conversions Part 2

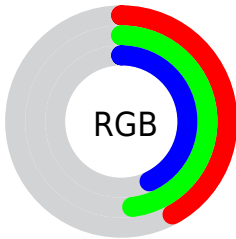
Format	Color
RYB	108, 120, 122
Decimal	7109230
CIELab	49.78, -7.69, 4.81
CIELCh	50, 9.070, 147.939
Yxy	18.2330, 0.3091, 0.3532
Android (android.graphics.Color)	4285299310 (0xFF6C7A6E)
YUV	116.4460, -3.1779, -7.4071
Hunter-Lab	42.7001, -8.0145, 5.6880

Details

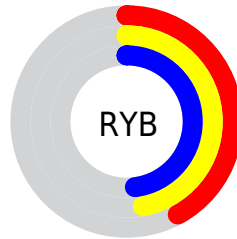
The XYZ color **15.9583, 18.2330, 17.4301** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.7794, 16.2191, 20.0162**, and the grayscale version is **16.7483, 17.6205, 19.1887**.

A 20% lighter version of the original color is **35.9557, 40.2517, 40.0567**, and **5.1765, 6.1050, 5.4630** is the 20% darker color. If you saturate the color by 10%, you get **14.0410, 17.3071, 14.5418**, and if you desaturate by 10%, it is **18.1515, 19.2944, 20.6829**.

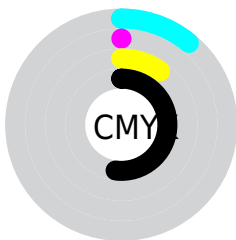
Distribution



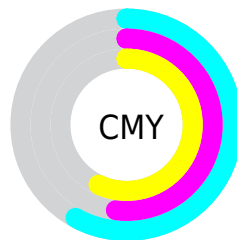
- Red (42%)
- Green (48%)
- Blue (43%)



- Red (42%)
- Yellow (47%)
- Blue (48%)



- Cyan (11%)
- Magenta (0%)
- Yellow (10%)
- Black (52%)



- Cyan (58%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9583, 18.2330, 17.4301 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 15.9583, 18.2330, 17.4301 by changing the saturation by 10% instead.

■ 15.9583, 18.2330,
17.4301

■ 15.9583, 18.2330,
17.4301

222.3708,
242.1811, 249.7662

■ 9.5853, 11.1174,
10.3764

■ 36.0838, 40.4340,
39.8645

■ 5.1850, 6.1459,
5.5404

■ 50.5671, 56.2881,
56.0824

■ 2.3921, 2.9340,
2.5035

■ 68.4845, 75.8239,
76.1920

■ 0.8412, 1.0974,
0.8420

■ 90.2013, 99.4257,
100.6120

■ 0.0000, 0.0000,
0.0000

116.0830,
127.4779, 129.7609

146.4949,

160.3650, 164.0572

181.8024,
198.4712, 203.9194

■ 15.9583, 18.2330,
17.4301

■ 15.9583, 18.2330,
17.4301

■ 14.0410, 17.3071,
14.5418

■ 18.1515, 19.2944,
20.6829

■ 12.3871, 16.5089,
12.0040

■ 20.6294, 20.4941,
24.3111

■ 10.9857, 15.8337,
9.8039

■ 23.4023, 21.8376,
28.3264

■ 9.8240, 15.2752,
7.9272

■ 26.4793, 23.3294,
32.7399

■ 8.8886, 14.8267,
6.3585

■ 29.8695, 24.9738,
37.5621

■ 8.1645, 14.4809,
5.0816

■ 33.5814, 26.7752,
42.8033

■ 7.6349, 14.2296,
4.0782

■ 37.6231, 28.7375,
48.4731

■ 7.2804, 14.0630,
3.3283

■ 42.0025, 30.8645,
54.5811

■ 7.0645, 13.9616,
2.8708

■ 46.7273, 33.1600,
61.1365

Harmonies

Analogous

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



16.5623, 18.2330, 15.9350



15.9583, 18.2330, 17.4301



15.7204, 18.2330, 19.6818

Triad

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



15.9583, 18.2330, 17.4301



17.2702, 18.2330, 25.0032



18.8411, 18.2330, 17.7035

Complementary

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



15.9583, 18.2330, 17.4301



16.7794, 16.2191, 20.0162

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.



19.0457, 18.2330, 20.0244



15.9583, 18.2330, 17.4301



18.1209, 18.2330, 24.3649

Square

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



15.9583, 18.2330, 17.4301



16.4620, 18.2330, 24.1691



18.7780, 18.2330, 22.4898



18.2278, 18.2330, 16.0834

Rectangle

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



15.9583, 18.2330, 17.4301



15.7953, 18.2330, 21.3561



18.7780, 18.2330, 22.4898



18.9608, 18.2330, 18.4214

Sweetspot

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



15.9588, 18.2338, 17.4305



31.2839, 33.6292, 35.4293



17.4313, 19.0053, 16.9371



7.0875, 7.6576, 8.0041



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



15.9588, 18.2338, 17.4305



27.0614, 31.5871, 29.1460



16.3474, 18.3892, 19.4770



3.9721, 4.4584, 4.3868



7.4353, 14.6978, 3.0111



35.2714, 70.0316, 13.3333

Inverse Universe

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



16.7794, 16.2191, 20.0162



28.8307, 27.2424, 34.7215



16.3773, 16.0583, 17.8989



4.1310, 4.0681, 4.8877



11.1091, 5.4198, 14.3971



52.7517, 25.7570, 67.4138

Previews

White Background



This preview shows how the XYZ color 15.9583, 18.2330, 17.4301 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 15.9583, 18.2330, 17.4301 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

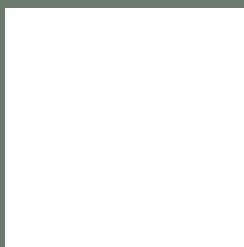
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.9583, 18.2330, 17.4301

Background



This preview shows how black text looks on a background with the XYZ color 15.9583, 18.2330, 17.4301.

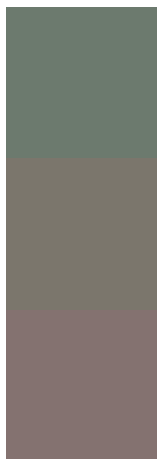


This preview shows how white text looks on a background with the XYZ color 15.9583, 18.2330,

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

15.9583, 18.2330, 17.4301

Protanopia

17.3536, 18.2505, 16.7954

Deuteranopia

18.4577, 18.1100, 17.8520



Tritanopia

17.1148, 18.1581, 23.3717

Trichromacy



Original Color

15.9583, 18.2330, 17.4301

Protanomaly

16.8284, 18.1493, 17.0842

Deuteranomaly

17.3989, 18.0812, 17.6119

Tritanomaly

16.6597, 18.1531, 21.0382

Monochromacy



Original Color

15.9583, 18.2330, 17.4301

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3257, 17.6825, 18.4722

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9583, 18.2330, 17.4301 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(108, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(108, 122, 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(108, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 122, 110) }
```

Border

The CSS property to change the border of an element to XYZ 15.9583, 18.2330, 17.4301 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(108, 122, 110) }
```


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

```
.border{ border-color:rgb(108, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(108, 122,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9583, 18.2330, 17.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 122, 110) }
```

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

```
.background{ background-color: rgb(108,  
122, 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