

Converting Colors

XYZ(15.8348, 17.6974, 5.4267)

Have a look what the booklet for
XYZ(15.8348, 17.6974, 5.4267)
contains.

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Color

**XYZ(15.7643, 17.6823,
5.3785)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7630
RGB	127, 118, 48
RGB Percent	50%, 46%, 19%
CMY	0.5020, 0.5372, 0.8118
CMYK	0.00, 0.07, 0.62, 0.50
HSL	53°, 45%, 34%
HSV	53°, 62%, 50%
XYZ	15.7643, 17.6823, 5.3785
YIQ	112.7110, 27.8340, -19.8620

Conversions

Conversions Part 2

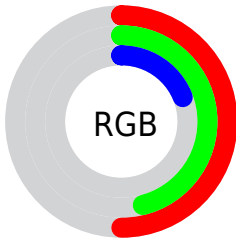
Format	Color
R_{YB}	58, 127, 48
Decimal	8353328
CIE _{Lab}	49.11, -5.93, 38.87
CIE _{LCh}	49, 39.322, 98.667
Yxy	17.6823, 0.4060, 0.4554
Android (android.graphics.Color)	4286543408 (0xFF7F7630)
YUV	112.7110, -31.9025, 12.5315
Hunter-Lab	42.0503, -6.6700, 21.8517

Details

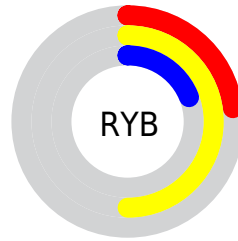
The XYZ color **15.7643, 17.6823, 5.3785** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5128, 5.0868, 20.7170**, and the grayscale version is **15.6965, 16.5139, 17.9837**.

A 20% lighter version of the original color is **35.8238, 39.5576, 17.0565**, and **5.0918, 5.8762, 0.8658** is the 20% darker color. If you saturate the color by 10%, you get **15.3700, 17.2548, 4.1342**, and if you desaturate by 10%, it is **16.2371, 18.1467, 7.0198**.

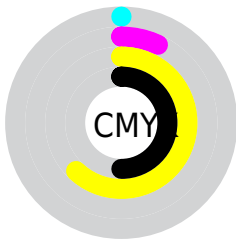
Distribution



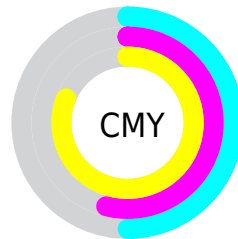
- Red (50%)
- Green (46%)
- Blue (19%)



- Red (23%)
- Yellow (50%)
- Blue (19%)



- Cyan (0%)
- Magenta (7%)
- Yellow (62%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7643, 17.6823, 5.3785 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 15.7643, 17.6823, 5.3785 by changing the saturation by 10% instead.

■ 15.7643, 17.6823,
5.3785

■ 15.7643, 17.6823,
5.3785

221.2447,
239.0742, 162.4973

■ 9.4473, 10.7221,
2.4084

■ 35.7493, 39.4952,
17.0814

■ 5.0935, 5.8803,
0.7910

■ 50.1480, 55.1168,
26.6513

■ 2.3376, 2.7724,
0.0000

■ 67.9713, 74.3942,
39.2583

■ 0.8138, 1.0141,
0.0000

■ 89.5846, 97.7120,
55.3208

■ 0.0000, 0.0000,
0.0000

■ 115.3533,
125.4545, 75.2574

■ 145.6426,

158.0061, 99.4867

180.8179,
195.7512, 128.4271

■ 15.7643, 17.6823,
5.3785

■ 15.7643, 17.6823,
5.3785

■ 15.3700, 17.2548,
4.1342

■ 16.2371, 18.1467,
7.0198

■ 15.0464, 16.8591,
3.2510

■ 16.7930, 18.6479,
9.0878

■ 14.7862, 16.4929,
2.6885

■ 17.4378, 19.1888,
11.6104

■ 14.6060, 16.2193,
2.3608

■ 18.1761, 19.7714,
14.6131

■ 19.0126, 20.3975,
18.1193

■ 19.9514, 21.0687,
22.1510

■ 20.9964, 21.7868,
26.7287

■ 22.1513, 22.5531,
31.8720

■ 23.4197, 23.3692,
37.5996

Harmonies

Analogous

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



19.5097, 17.6823, 5.8875



15.7643, 17.6823, 5.3785



12.7678, 17.6823, 7.3825

Triad

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



15.7643, 17.6823, 5.3785



11.8720, 17.6823, 34.8622



24.2831, 17.6823, 27.5912

Complementary

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



15.7643, 17.6823, 5.3785



6.5128, 5.0868, 20.7170

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.



21.6180, 17.6823, 39.7647



15.7643, 17.6823, 5.3785



14.3652, 17.6823, 44.9168

Square

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



15.7643, 17.6823, 5.3785



10.7454, 17.6823, 22.4655



17.8936, 17.6823, 46.9798



24.8024, 17.6823, 16.3624

Rectangle

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



15.7643, 17.6823, 5.3785



11.4657, 17.6823, 10.5320



17.8936, 17.6823, 46.9798



23.5917, 17.6823, 31.8069

Sweetspot

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



15.7647, 17.6831, 5.3789



32.9438, 35.7068, 27.8043



10.5533, 6.9237, 4.6797



7.6310, 8.2975, 6.1694



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.



15.7647, 17.6831, 5.3789



27.2439, 30.5681, 6.6024



13.0225, 17.9179, 5.5687



4.6249, 4.9385, 4.6296



14.7301, 16.3566, 2.3808



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.5128, 5.0868, 20.7170



9.1866, 6.0136, 36.6328



8.0530, 5.2781, 20.6728



4.1453, 4.2845, 5.4218



4.0275, 1.8736, 20.3993



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.7643, 17.6823, 5.3785 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 15.7643, 17.6823, 5.3785 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

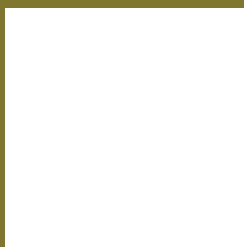
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7643, 17.6823, 5.3785

Background



This preview shows how black text looks on a background with the XYZ color 15.7643, 17.6823, 5.3785.



This preview shows how white text looks on a background with the XYZ color 15.7643, 17.6823,

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

15.7643, 17.6823, 5.3785

Protanopia

16.1007, 17.6818, 5.3606

Deuteranopia

17.9372, 17.6189, 5.4730



Tritanopia

18.6871, 17.6873, 19.8818

Trichromacy



Original Color

15.7643, 17.6823, 5.3785

Protanomaly

15.9481, 17.6031, 5.3535

Deuteranomaly

17.0529, 17.6597, 5.4156

Tritanomaly

17.3532, 17.6502, 12.8482

Monochromacy



Original Color

15.7643, 17.6823, 5.3785

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.4051, 16.8343, 11.8886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7643, 17.6823, 5.3785 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(127, 118, 48)` looks like.

```
.text, #text, p{  
    color:rgb(127, 118, 48)  
}
```

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(127, 118, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 118, 48) }
```

Border

The CSS property to change the border of an element to XYZ 15.7643, 17.6823, 5.3785 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(127, 118, 48) }
```


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

```
.border{ border-color:rgb(127, 118, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 118, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 118, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 118, 48);  
box-shadow:4px 4px 4px 4px rgb(127, 118,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7643, 17.6823, 5.3785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 118, 48) }
```

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

```
.background{ background-color: rgb(127,  
118, 48) }
```

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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