

Converting Colors

XYZ(15.8082, 17.0272, 12.5786)

Have a look what the booklet for
XYZ(15.8082, 17.0272, 12.5786)
contains.

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Color

**XYZ(15.8082, 17.0272,
12.5786)**

Conversions

Conversions Part 1

Format	Color
Hex	78735C
RGB	120, 115, 92
RGB Percent	47%, 45%, 36%
CMY	0.5294, 0.5490, 0.6392
CMYK	0.00, 0.04, 0.23, 0.53
HSL	49°, 13%, 42%
HSV	49°, 23%, 47%
XYZ	15.8082, 17.0272, 12.5786
YIQ	113.8730, 10.3630, -6.0930

Conversions

Conversions Part 2

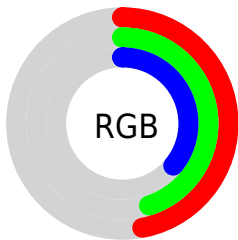
Format	Color
RYB	98, 120, 92
Decimal	7893852
CIELab	48.29, -2.16, 13.45
CIELCh	48, 13.618, 99.130
Yxy	17.0272, 0.3481, 0.3749
Android (android.graphics.Color)	4286083932 (0xFF78735C)
YUV	113.8730, -10.7834, 5.3734
Hunter-Lab	41.2640, -3.8289, 10.8113

Details

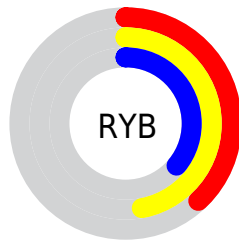
The XYZ color **15.8082, 17.0272, 12.5786** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0784, 12.1805, 19.4838**, and the grayscale version is **15.9856, 16.8181, 18.3149**.

A 20% lighter version of the original color is **35.9348, 38.4747, 31.1236**, and **5.0988, 5.5512, 3.3875** is the 20% darker color. If you saturate the color by 10%, you get **15.0834, 16.3516, 9.9508**, and if you desaturate by 10%, it is **16.6227, 17.7489, 15.6467**.

Distribution



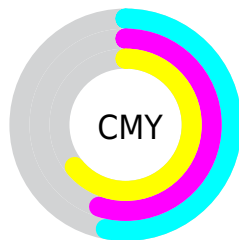
- Red (47%)
- Green (45%)
- Blue (36%)



- Red (38%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (53%)



- Cyan (53%)
- Magenta (55%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8082, 17.0272, 12.5786 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 15.8082, 17.0272, 12.5786 by changing the saturation by 10% instead.

■ 15.8082, 17.0272,
12.5786

■ 15.8082, 17.0272,
12.5786

221.5000,
235.3291, 219.3112

■ 9.4785, 10.2539,
7.0117

■ 35.8251, 38.3725,
31.2246

■ 5.1142, 5.5676,
3.3909

■ 50.2429, 53.7133,
45.1408

■ 2.3499, 2.5840,
1.2975

■ 68.0876, 72.6788,
62.6773

■ 0.8200, 0.9186,
0.0598

■ 89.7244, 95.6532,
84.2524

■ 0.0000, 0.0000,
0.0000

115.5187,
123.0211, 110.2848

145.8358,

155.1668, 141.1931

181.0411,
192.4746, 177.3957

■ 15.8082, 17.0272,
12.5786

■ 15.8082, 17.0272,
12.5786

■ 15.0834, 16.3516,
9.9508

■ 16.6227, 17.7489,
15.6467

■ 14.4431, 15.7182,
7.7417

■ 17.5292, 18.5160,
19.1734

■ 13.8833, 15.1260,
5.9294

■ 18.5316, 19.3307,
23.1769

■ 13.3995, 14.5731,
4.4896

■ 19.6333, 20.1943,
27.6745

■ 12.9865, 14.0574,
3.3954

■ 20.8374, 21.1082,
32.6823

■ 12.6384, 13.5764,
2.6162

■ 22.1468, 22.0736,
38.2159

■ 12.3478, 13.1271,
2.1127

■ 23.5643, 23.0917,
44.2900

■ 12.1682, 12.8379,
1.8366

■ 25.0928, 24.1636,
50.9191

■ 26.7349, 25.2906,
58.1168

Harmonies

Analogous

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



17.0488, 17.0272, 12.8600



15.8082, 17.0272, 12.5786



14.7244, 17.0272, 13.7284

Triad

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



15.8082, 17.0272, 12.5786



14.4028, 17.0272, 23.1948



18.5171, 17.0272, 21.0820

Complementary

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



15.8082, 17.0272, 12.5786



12.0784, 12.1805, 19.4838

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.



17.7367, 17.0272, 24.3613



15.8082, 17.0272, 12.5786



15.3487, 17.0272, 25.6853

Square

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



15.8082, 17.0272, 12.5786



13.9407, 17.0272, 19.6452



16.5654, 17.0272, 26.1374



18.6556, 17.0272, 17.4765

Rectangle

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



15.8082, 17.0272, 12.5786



14.2211, 17.0272, 15.2502



16.5654, 17.0272, 26.1374



18.3193, 17.0272, 22.2712

Sweetspot

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



15.8086, 17.0280, 12.5790



30.1989, 32.0386, 31.2438



13.7369, 12.5131, 13.0333



7.1409, 7.5794, 7.3424



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.



15.8086, 17.0280, 12.5790



27.1027, 29.3027, 19.5556



15.2207, 17.5939, 12.7192



4.2498, 4.5181, 4.2726



13.2656, 13.9871, 2.0006



62.7163, 65.5961, 9.3558

Inverse Universe

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



12.0784, 12.1805, 19.4838



19.3331, 19.2071, 33.9415



12.5694, 11.7696, 19.3786



3.8502, 3.9986, 5.0121



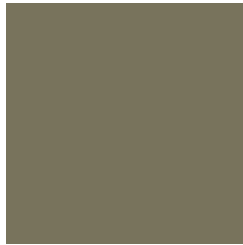
3.9912, 2.0648, 19.5735



18.5826, 8.9379, 93.2156

Previews

White Background



This preview shows how the XYZ color 15.8082, 17.0272, 12.5786 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 15.8082, 17.0272, 12.5786 looks on a black 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

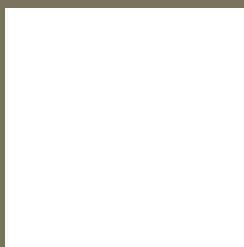
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8082, 17.0272, 12.5786

Background



This preview shows how black text looks on a background with the XYZ color 15.8082, 17.0272, 12.5786.



This preview shows how white text looks on a background with the XYZ color 15.8082, 17.0272,

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

15.8082, 17.0272, 12.5786

Protanopia

15.9751, 16.9449, 12.5539

Deuteranopia

17.2246, 16.9287, 12.7157



Tritanopia

17.3868, 17.0100, 20.1362

Trichromacy



Original Color

15.8082, 17.0272, 12.5786

Protanomaly

15.8342, 16.8723, 12.5473

Deuteranomaly

16.6720, 16.9678, 12.7523

Tritanomaly

16.7770, 16.9251, 17.1345

Monochromacy



Original Color

15.8082, 17.0272, 12.5786

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

15.8213, 16.7882, 16.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8082, 17.0272, 12.5786 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(120, 115, 92)` looks like.

```
.text, #text, p{  
    color:rgb(120, 115, 92)  
}
```

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(120, 115, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 115, 92) }
```

Border

The CSS property to change the border of an element to XYZ 15.8082, 17.0272, 12.5786 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(120, 115, 92) }
```


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

```
.border{ border-color:rgb(120, 115, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 115, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 115, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 115, 92);  
box-shadow:4px 4px 4px 4px rgb(120, 115,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8082, 17.0272, 12.5786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 115, 92) }
```

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

```
.background{ background-color: rgb(120,  
115, 92) }
```

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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