

Converting Colors

XYZ(15.8085, 18.8231, 12.4732)

Have a look what the booklet for
XYZ(15.8085, 18.8231, 12.4732)
contains.

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Color

**XYZ(15.8612, 18.8502,
12.4753)**

Conversions

Conversions Part 1

Format	Color
Hex	707D5A
RGB	112, 125, 90
RGB Percent	44%, 49%, 35%
CMY	0.5608, 0.5098, 0.6471
CMYK	0.10, 0.00, 0.28, 0.51
HSL	82°, 16%, 42%
HSV	82°, 28%, 49%
XYZ	15.8612, 18.8502, 12.4753
YIQ	117.1230, 3.4870, -13.6410

Conversions

Conversions Part 2

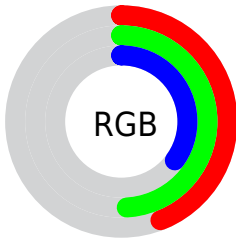
Format	Color
RYB	90, 125, 103
Decimal	7372122
CIELab	50.51, -11.41, 17.54
CIElCh	51, 20.922, 123.053
Yxy	18.8502, 0.3361, 0.3995
Android (android.graphics.Color)	4285562202 (0xFF707D5A)
YUV	117.1230, -13.3716, -4.4929
Hunter-Lab	43.4168, -10.7691, 13.3555

Details

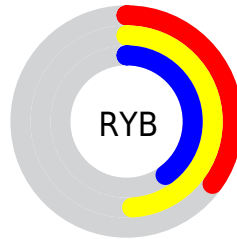
The XYZ color **15.8612, 18.8502, 12.4753** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.9521, 11.6770, 20.9744**, and the grayscale version is **16.9865, 17.8711, 19.4616**.

A 20% lighter version of the original color is **35.9639, 41.6268, 30.9502**, and **5.1534, 6.4407, 3.3544** is the 20% darker color. If you saturate the color by 10%, you get **14.7977, 18.3589, 9.8779**, and if you desaturate by 10%, it is **17.0456, 19.3946, 15.5463**.

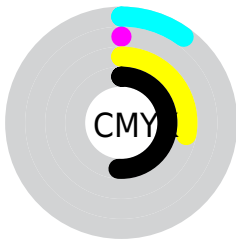
Distribution



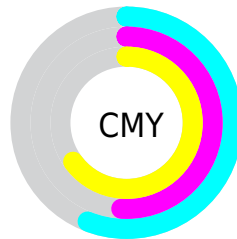
- Red (44%)
- Green (49%)
- Blue (35%)



- Red (35%)
- Yellow (49%)
- Blue (40%)



- Cyan (10%)
- Magenta (0%)
- Yellow (28%)
- Black (51%)



- Cyan (56%)
- Magenta (51%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8612, 18.8502, 12.4753 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 15.8612, 18.8502, 12.4753 by changing the saturation by 10% instead.

■ 15.8612, 18.8502,
12.4753

■ 15.8612, 18.8502,
12.4753

221.8078,
245.6205, 218.6154

■ 9.5162, 11.5621,
6.9418

■ 35.9165, 41.4808,
31.0351

■ 5.1392, 6.4462,
3.3478

■ 50.3575, 57.5921,
44.8985

■ 2.3648, 3.1183,
1.2749

■ 68.2278, 77.4133,
62.3756

■ 0.8275, 1.1938,
0.0411

■ 89.8929, 101.3286,
83.8849

■ 0.0000, 0.0566,
0.0000

■ 115.7181,
129.7227, 109.8450

■ 0.0000, 0.0000,
0.0000

146.0688,

162.9797, 140.6744

181.3102,
201.4842, 176.7917

■ 15.8612, 18.8502,
12.4753

■ 15.8612, 18.8502,
12.4753

■ 14.7977, 18.3589,
9.8779

■ 17.0456, 19.3946,
15.5463

■ 13.8488, 17.9163,
7.7294

■ 18.3542, 19.9917,
19.1116

■ 13.0097, 17.5211,
6.0044

■ 19.7917, 20.6439,
23.1922

■ 12.2745, 17.1707,
4.6748

■ 21.3622, 21.3530,
27.8075

■ 11.6366, 16.8626,
3.7090

■ 23.0697, 22.1206,
32.9759

■ 11.0888, 16.5938,
3.0704

■ 24.9179, 22.9483,
38.7149

■ 10.6135, 16.3571,
2.6696

■ 26.9103, 23.8375,
45.0412

■ 10.5225, 16.3118,
2.5939

■ 29.0505, 24.7896,
51.9710

■ 31.3416, 25.8060,
59.5196

Harmonies

Analogous

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



17.7085, 18.8502, 11.2264



15.8612, 18.8502, 12.4753



14.6425, 18.8502, 15.8431

Triad

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



15.8612, 18.8502, 12.4753



16.1971, 18.8502, 32.2556



22.1259, 18.8502, 19.9322

Complementary

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



15.8612, 18.8502, 12.4753



12.9521, 11.6770, 20.9744

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.



21.6456, 18.8502, 26.0480



15.8612, 18.8502, 12.4753



18.1262, 18.8502, 33.9103

Square

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



15.8612, 18.8502, 12.4753



14.8258, 18.8502, 27.2816



20.1422, 18.8502, 31.4537



21.4095, 18.8502, 14.9871

Rectangle

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



15.8612, 18.8502, 12.4753



14.2981, 18.8502, 19.1956



20.1422, 18.8502, 31.4537



22.0991, 18.8502, 21.9137

Sweetspot

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



15.8617, 18.8510, 12.4757



32.8188, 35.7768, 34.0909



15.1373, 14.7662, 11.7254



7.3931, 8.1052, 7.5549



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.



15.8617, 18.8510, 12.4757



27.0805, 33.1449, 19.0774



13.8644, 17.8214, 12.3822



4.5153, 4.9421, 4.6361



10.9739, 17.0196, 2.7067



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.9521, 11.6770, 20.9744



20.9121, 17.9304, 37.1031



15.1506, 12.8104, 21.0772



4.2481, 4.2835, 5.4162



5.0526, 2.1584, 20.4003



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 15.8612, 18.8502, 12.4753 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 15.8612, 18.8502, 12.4753 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 15.8612, 18.8502, 12.4753

Background



This preview shows how black text looks on a background with the XYZ color 15.8612, 18.8502, 12.4753.



This preview shows how white text looks on a background with the XYZ color 15.8612, 18.8502,

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

15.8612, 18.8502, 12.4753

Protanopia

17.5312, 18.8046, 11.9382

Deuteranopia

19.0470, 18.6969, 12.7302



Tritanopia

18.1501, 18.8695, 23.4544

Trichromacy



Original Color

15.8612, 18.8502, 12.4753

Protanomaly

16.9311, 18.8513, 12.1975

Deuteranomaly

17.6911, 18.6948, 12.5736

Tritanomaly

17.2565, 18.8699, 18.9524

Monochromacy



Original Color

15.8612, 18.8502, 12.4753

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

16.4405, 18.1393, 16.5446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8612, 18.8502, 12.4753 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(112, 125, 90)` looks like.

```
.text, #text, p{  
    color:rgb(112, 125, 90)  
}
```

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(112, 125, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 125, 90) }
```

Border

The CSS property to change the border of an element to XYZ 15.8612, 18.8502, 12.4753 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(112, 125, 90) }
```


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

```
.border{ border-color:rgb(112, 125, 90) }
```

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

Here you see how a box with a 4 pixel rgb(112, 125, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 125, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 125, 90);  
box-shadow:4px 4px 4px 4px rgb(112, 125,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8612, 18.8502, 12.4753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 125, 90) }
```

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

```
.background{ background-color: rgb(112,  
125, 90) }
```

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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