

Converting Colors

XYZ(15.6174, 18.1656, 12.1257)

Have a look what the booklet for
XYZ(15.6174, 18.1656, 12.1257)
contains.

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Color

**XYZ(15.5728, 18.1510,
12.1339)**

Conversions

Conversions Part 1

Format	Color
Hex	717A59
RGB	113, 122, 89
RGB Percent	44%, 48%, 35%
CMY	0.5569, 0.5216, 0.6510
CMYK	0.07, 0.00, 0.27, 0.52
HSL	76°, 16%, 41%
HSV	76°, 27%, 48%
XYZ	15.5728, 18.1510, 12.1339
YIQ	115.5470, 5.2290, -12.1710

Conversions

Conversions Part 2

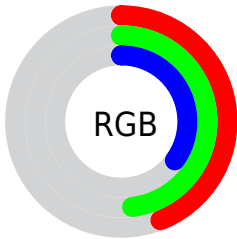
Format	Color
R_{YB}	89, 122, 98
Decimal	7436889
CIE _{Lab}	49.68, -9.50, 16.99
CIE _{LCh}	50, 19.470, 119.206
Yxy	18.1510, 0.3396, 0.3958
Android (android.graphics.Color)	4285626969 (0xFF717A59)
YUV	115.5470, -13.0877, -2.2337
Hunter-Lab	42.6040, -9.3109, 12.9366

Details

The XYZ color **15.5728, 18.1510, 12.1339** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.1228, 11.1470, 19.9259**, and the grayscale version is **16.4999, 17.3592, 18.9042**.

A 20% lighter version of the original color is **35.3133, 40.1355, 30.3118**, and **4.9986, 6.0633, 3.1924** is the 20% darker color. If you saturate the color by 10%, you get **14.6822, 17.7468, 9.6360**, and if you desaturate by 10%, it is **16.5650, 18.5989, 15.0806**.

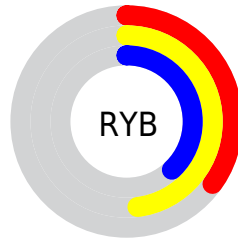
Distribution



Red (44%)

Green (48%)

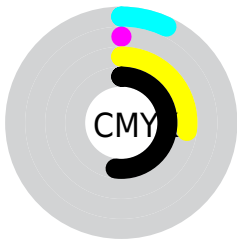
Blue (35%)



Red (35%)

Yellow (48%)

Blue (38%)

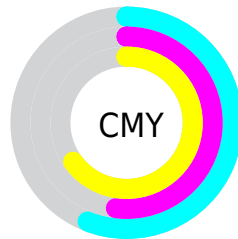


Cyan (7%)

Magenta (0%)

Yellow (27%)

Black (52%)



Cyan (56%)

Magenta (52%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.5728, 18.1510, 12.1339 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 15.5728, 18.1510, 12.1339 by changing the saturation by 10% instead.

■ 15.5728, 18.1510,
12.1339

■ 15.5728, 18.1510,
12.1339

220.1278,
241.7208, 216.2990

■ 9.3113, 11.0585,
6.7113

■ 35.4184, 40.2945,
30.4068

■ 5.0035, 6.1062,
3.2065

■ 49.7333, 56.1142,
44.0941

■ 2.2841, 2.9097,
1.2010

■ 67.4632, 75.6117,
61.3735

■ 0.7865, 1.0848,
0.0000

■ 88.9737, 99.1715,
82.6634

■ 0.0000, 0.0000,
0.0000

■ 114.6301,
127.1779, 108.3823

144.7976,

160.0153, 138.9489

179.8418,
198.0681, 174.7816

■ 15.5728, 18.1510,
12.1339

■ 15.5728, 18.1510,
12.1339

■ 14.6822, 17.7468,
9.6360

■ 16.5650, 18.5989,
15.0806

■ 13.8875, 17.3822,
7.5637

■ 17.6614, 19.0896,
18.4954

■ 13.1843, 17.0559,
5.8935

■ 18.8663, 19.6256,
22.3980

■ 12.5676, 16.7660,
4.5991

■ 20.1833, 20.2084,
26.8066

■ 12.0315, 16.5100,
3.6512

■ 21.6159, 20.8392,
31.7383

■ 11.5696, 16.2855,
3.0160

■ 23.1673, 21.5195,
37.2096

■ 11.1675, 16.0866,
2.6198

■ 24.8407, 22.2505,
43.2362

■ 11.0533, 16.0300,
2.5115

■ 26.6390, 23.0334,
49.8332

■ 28.5651, 23.8694,
57.0150

Harmonies

Analogous

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



17.3014, 18.1510, 11.2223



15.5728, 18.1510, 12.1339



14.3715, 18.1510, 14.9904

Triad

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



15.5728, 18.1510, 12.1339



15.4931, 18.1510, 29.8770



21.0614, 18.1510, 19.9050

Complementary

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



15.5728, 18.1510, 12.1339



12.1228, 11.1470, 19.9259

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.



20.4938, 18.1510, 25.4551



15.5728, 18.1510, 12.1339



17.2027, 18.1510, 31.8091

Square

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



15.5728, 18.1510, 12.1339



14.3278, 18.1510, 25.1664



19.0477, 18.1510, 30.0636



20.5492, 18.1510, 15.1949

Rectangle

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



15.5728, 18.1510, 12.1339



13.9864, 18.1510, 17.9150



19.0477, 18.1510, 30.0636



20.9900, 18.1510, 21.7347

Sweetspot

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



15.5733, 18.1518, 12.1343



30.8402, 33.4801, 31.8080



14.1788, 13.5573, 11.3210



6.9936, 7.6293, 7.0897



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.



15.5733, 18.1518, 12.1343



26.4787, 31.5165, 18.7382



13.6611, 17.1660, 12.0448



4.2062, 4.5816, 4.2871



11.6287, 16.8720, 2.6437



54.6210, 80.0436, 12.5711

Inverse Universe

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



12.1228, 11.1470, 19.9259



19.4193, 17.1809, 34.6856



14.0643, 12.1479, 20.0167



3.8908, 3.9416, 4.9989



4.3609, 1.8209, 19.5069



20.0864, 8.3169, 93.0164

Previews

White Background



This preview shows how the XYZ color 15.5728, 18.1510, 12.1339 looks on a white background.

Color Contrast Check

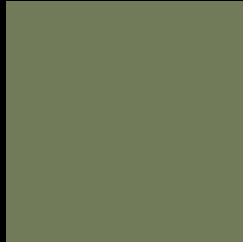
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.5728, 18.1510, 12.1339 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 15.5728, 18.1510, 12.1339

Background



This preview shows how black text looks on a background with the XYZ color 15.5728, 18.1510, 12.1339.



This preview shows how white text looks on a background with the XYZ color 15.5728, 18.1510,

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

15.5728, 18.1510, 12.1339

Protanopia

16.9511, 18.1570, 11.6281

Deuteranopia

18.2747, 17.9689, 12.4027



Tritanopia

17.5984, 18.0805, 22.3010

Trichromacy



Original Color

15.5728, 18.1510, 12.1339

Protanomaly

16.3843, 18.0358, 11.8502

Deuteranomaly

17.1441, 17.8961, 12.2236

Tritanomaly

16.7799, 18.0989, 18.2318

Monochromacy



Original Color

15.5728, 18.1510, 12.1339

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.1502, 17.6423, 16.1898

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.5728, 18.1510, 12.1339 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(113, 122, 89)` looks like.

```
.text, #text, p{  
    color:rgb(113, 122, 89)  
}
```

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(113, 122, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 122, 89) }
```

Border

The CSS property to change the border of an element to XYZ 15.5728, 18.1510, 12.1339 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(113, 122, 89) }
```


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

```
.border{ border-color:rgb(113, 122, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 122, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 122, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 122, 89);  
box-shadow:4px 4px 4px 4px rgb(113, 122,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 15.5728, 18.1510, 12.1339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 122, 89) }
```

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

```
.background{ background-color: rgb(113,  
122, 89) }
```

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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