

Converting Colors

XYZ(15.9248, 17.2097, 12.3066)

Have a look what the booklet for
XYZ(15.9248, 17.2097, 12.3066)
contains.

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Color

**XYZ(16.0189, 17.3111,
12.3946)**

Conversions

Conversions Part 1

Format	Color
Hex	79745B
RGB	121, 116, 91
RGB Percent	47%, 45%, 36%
CMY	0.5255, 0.5451, 0.6431
CMYK	0.00, 0.04, 0.25, 0.53
HSL	50°, 14%, 42%
HSV	50°, 25%, 47%
XYZ	16.0189, 17.3111, 12.3946
YIQ	114.6450, 11.0050, -6.7150

Conversions

Conversions Part 2

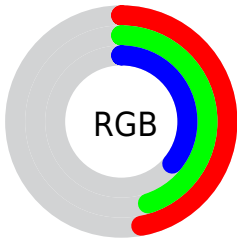
Format	Color
R_{YB}	97, 121, 91
Decimal	7959643
CIE Lab	48.65, -2.48, 14.54
CIE LCh	49, 14.745, 99.669
Yxy	17.3111, 0.3503, 0.3786
Android (android.graphics.Color)	4286149723 (0xFF79745B)
YUV	114.6450, -11.6570, 5.5733
Hunter-Lab	41.6066, -4.0875, 11.4621

Details

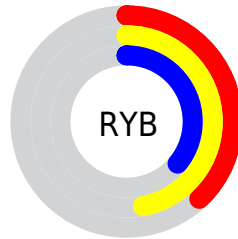
The XYZ color **16.0189, 17.3111, 12.3946** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **11.9484, 11.9700, 19.7700**, and the grayscale version is **16.2205, 17.0652, 18.5840**.

A 20% lighter version of the original color is **36.2659, 38.9270, 30.8016**, and **5.2133, 5.7014, 3.3083** is the 20% darker color. If you saturate the color by 10%, you get **15.3088, 16.6599, 9.7871**, and if you desaturate by 10%, it is **16.8191, 18.0076, 15.4479**.

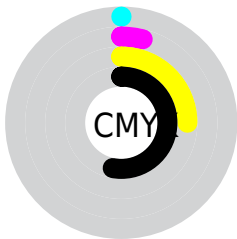
Distribution



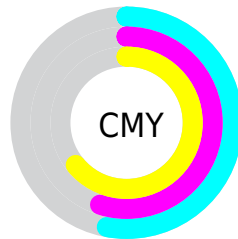
- Red (47%)
- Green (45%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (4%)
- Yellow (25%)
- Black (53%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0189, 17.3111, 12.3946 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 16.0189, 17.3111, 12.3946 by changing the saturation by 10% instead.

■ 16.0189, 17.3111,
12.3946

■ 16.0189, 17.3111,
12.3946

222.7214,
236.9588, 218.0702

■ 9.6285, 10.4565,
6.8872

■ 36.1882, 38.8599,
30.8869

■ 5.2137, 5.7027,
3.3143

■ 50.6978, 54.3229,
44.7088

■ 2.4092, 2.6652,
1.2573

■ 68.6444, 73.4242,
62.1394

■ 0.8497, 0.9595,
0.0264

■ 90.3935, 96.5482,
83.5971

■ 0.0000, 0.0000,
0.0000

116.3104,
124.0793, 109.5005

146.7604,

156.4018, 140.2681

182.1090,
193.9002, 176.3185

■ 16.0189, 17.3111,
12.3946

■ 16.0189, 17.3111,
12.3946

■ 15.3088, 16.6599,
9.7871

■ 16.8191, 18.0076,
15.4479

■ 14.6835, 16.0501,
7.6030

■ 17.7119, 18.7486,
18.9657

■ 14.1389, 15.4805,
5.8198

■ 18.7013, 19.5364,
22.9670

■ 13.6703, 14.9492,
4.4123

■ 19.7906, 20.3725,
27.4692

■ 13.2724, 14.4541,
3.3525

■ 20.9831, 21.2580,
32.4893

■ 12.9390, 13.9926,
2.6085

■ 22.2818, 22.1944,
38.0430

■ 12.6608, 13.5609,
2.1312

■ 23.6896, 23.1828,
44.1456

■ 12.5239, 13.3423,
1.9153

■ 25.2094, 24.2243,
50.8118

■ 26.8438, 25.3202,
58.0556

Harmonies

Analogous

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



17.3780, 17.3111, 12.6687



16.0189, 17.3111, 12.3946



14.8421, 17.3111, 13.6573

Triad

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



16.0189, 17.3111, 12.3946



14.5239, 17.3111, 24.0385



19.0264, 17.3111, 21.5692

Complementary

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



16.0189, 17.3111, 12.3946



11.9484, 11.9700, 19.7700

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.



18.1779, 17.3111, 25.2130



16.0189, 17.3111, 12.3946



15.5628, 17.3111, 26.7692

Square

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



16.0189, 17.3111, 12.3946



14.0108, 17.3111, 20.1333



16.8963, 17.3111, 27.2264



19.1651, 17.3111, 17.6202

Rectangle

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



16.0189, 17.3111, 12.3946



14.3007, 17.3111, 15.3180



16.8963, 17.3111, 27.2264



18.8126, 17.3111, 22.8844

Sweetspot

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



16.0194, 17.3119, 12.3950



31.3209, 33.2500, 32.3844



13.7377, 12.3919, 12.7343



7.1463, 7.5901, 7.3442



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.



16.0194, 17.3119, 12.3950



27.9096, 30.2962, 19.3206



15.2814, 17.8097, 12.5300



4.2536, 4.5257, 4.2739



13.4143, 14.2845, 2.0502



63.4535, 67.0704, 9.6015

Inverse Universe

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



11.9484, 11.9700, 19.7700



19.2401, 18.9218, 35.0311



12.5593, 11.6296, 19.6720



3.8466, 3.9916, 5.0109



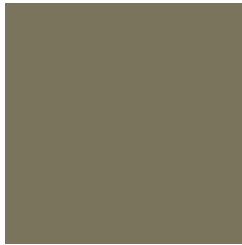
3.9632, 2.0089, 19.5642



18.4719, 8.7163, 93.1786

Previews

White Background



This preview shows how the XYZ color 16.0189, 17.3111, 12.3946 looks on a white background.

Color Contrast Check

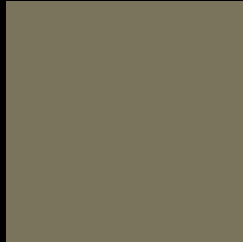
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0189, 17.3111, 12.3946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

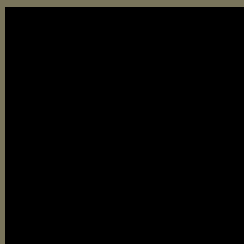
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

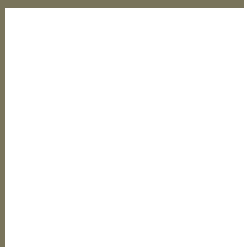
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.0189, 17.3111, 12.3946

Background



This preview shows how black text looks on a background with the XYZ color 16.0189, 17.3111, 12.3946.



This preview shows how white text looks on a background with the XYZ color 16.0189, 17.3111,

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

16.0189, 17.3111, 12.3946

Protanopia

16.1874, 17.2278, 12.3696

Deuteranopia

17.6079, 17.2925, 12.5350



Tritanopia

17.7028, 17.3288, 20.5009

Trichromacy



Original Color

16.0189, 17.3111, 12.3946

Protanomaly

16.0451, 17.1544, 12.3630

Deuteranomaly

17.0428, 17.3288, 12.5718

Tritanomaly

17.0318, 17.2211, 17.1782

Monochromacy



Original Color

16.0189, 17.3111, 12.3946

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.0684, 17.0840, 16.0863

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0189, 17.3111, 12.3946 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(121, 116, 91)` looks like.

```
.text, #text, p{  
    color:rgb(121, 116, 91)  
}
```

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(121, 116, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 116, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.0189, 17.3111, 12.3946 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(121, 116, 91) }
```


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

```
.border{ border-color:rgb(121, 116, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 116, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 116, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 116, 91);  
box-shadow:4px 4px 4px 4px rgb(121, 116,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0189, 17.3111, 12.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 116, 91) }
```

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

```
.background{ background-color: rgb(121,  
116, 91) }
```

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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