

Converting Colors

XYZ(16.0440, 17.8323, 12.4286)

Have a look what the booklet for
XYZ(16.0440, 17.8323, 12.4286)
contains.

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Color

**XYZ(16.0929, 17.8709,
12.4988)**

Conversions

Conversions Part 1

Format	Color
Hex	77775B
RGB	119, 119, 91
RGB Percent	47%, 47%, 36%
CMY	0.5333, 0.5333, 0.6431
CMYK	0.00, 0.00, 0.24, 0.53
HSL	60°, 13%, 41%
HSV	60°, 24%, 47%
XYZ	16.0929, 17.8709, 12.4988
YIQ	115.8080, 8.9880, -8.7080

Conversions

Conversions Part 2

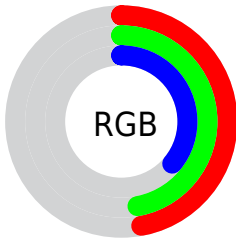
Format	Color
R_{YB}	91, 119, 91
Decimal	7829339
CIE Lab	49.34, -5.02, 15.45
CIE LCh	49, 16.250, 108.009
Yxy	17.8709, 0.3464, 0.3846
Android (android.graphics.Color)	4286019419 (0xFF77775B)
YUV	115.8080, -12.2303, 2.7994
Hunter-Lab	42.2740, -6.0279, 12.0620

Details

The XYZ color **16.0929, 17.8709, 12.4988** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.3859, 11.0387, 18.9843**, and the grayscale version is **16.5764, 17.4396, 18.9917**.

A 20% lighter version of the original color is **36.1652, 39.7068, 30.9574**, and **5.2527, 5.9980, 3.3635** is the 20% darker color. If you saturate the color by 10%, you get **15.6198, 17.6822, 10.0062**, and if you desaturate by 10%, it is **16.6484, 18.0937, 15.4210**.

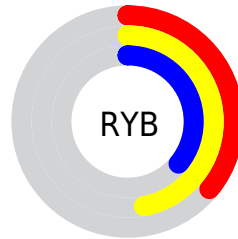
Distribution



Red (47%)

Green (47%)

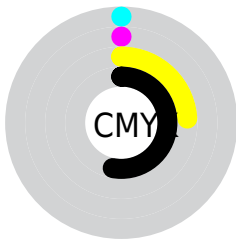
Blue (36%)



Red (36%)

Yellow (47%)

Blue (36%)

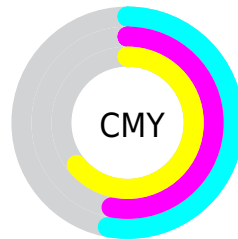


Cyan (0%)

Magenta (0%)

Yellow (24%)

Black (53%)



Cyan (53%)

Magenta (53%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.0929, 17.8709, 12.4988 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 16.0929, 17.8709, 12.4988 by changing the saturation by 10% instead.

■ 16.0929, 17.8709,
12.4988

■ 16.0929, 17.8709,
12.4988

223.1489,
240.1424, 218.7739

■ 9.6812, 10.8573,
6.9577

■ 36.3156, 39.8172,
31.0782

■ 5.2487, 5.9710,
3.3576

■ 50.8572, 55.5188,
44.9537

■ 2.4302, 2.8274,
1.2800

■ 68.8395, 74.8851,
62.4443

■ 0.8602, 1.0423,
0.0453

■ 90.6279, 98.3006,
83.9686

■ 0.0000, 0.0000,
0.0000

116.5877,
126.1497, 109.9452

147.0842,

158.8168, 140.7925

182.4828,
196.6862, 176.9293

■ 16.0929, 17.8709,
12.4988

■ 16.0929, 17.8709,
12.4988

■ 15.6198, 17.6822,
10.0062

■ 16.6484, 18.0937,
15.4210

■ 15.2238, 17.5238,
7.9219

■ 17.2884, 18.3498,
18.7906

■ 14.9013, 17.3948,
6.2244

■ 18.0168, 18.6411,
22.6256

■ 14.6478, 17.2934,
4.8901

■ 18.8368, 18.9692,
26.9427

■ 14.4581, 17.2175,
3.8924

■ 19.7514, 19.3350,
31.7579

■ 14.3267, 17.1649,
3.2013

■ 20.7634, 19.7398,
37.0864

■ 14.2460, 17.1326,
2.7772

■ 21.8757, 20.1848,
42.9427

■ 14.2037, 17.1157,
2.5550

■ 23.0909, 20.6709,
49.3408

■ 24.4115, 21.1991,
56.2942

Harmonies

Analogous

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



17.6040, 17.8709, 12.3293



16.0929, 17.8709, 12.4988



14.8929, 17.8709, 14.3511

Triad

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



16.0929, 17.8709, 12.4988



15.0937, 17.8709, 26.4117



20.0271, 17.8709, 21.2608

Complementary

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



16.0929, 17.8709, 12.4988



11.3859, 11.0387, 18.9843

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.



19.2661, 17.8709, 25.6529



16.0929, 17.8709, 12.4988



16.3822, 17.8709, 28.9118

Square

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



16.0929, 17.8709, 12.4988



14.3403, 17.8709, 22.1794



17.9110, 17.8709, 28.6150



19.9381, 17.8709, 16.9695

Rectangle

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



16.0929, 17.8709, 12.4988



14.4028, 17.8709, 16.4725



17.9110, 17.8709, 28.6150



19.8604, 17.8709, 22.7849

Sweetspot

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



16.0934, 17.8717, 12.4992



30.5210, 32.6831, 31.3513



13.2377, 12.1599, 11.5472



7.2217, 7.7410, 7.3693



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.



16.0934, 17.8717, 12.4992



28.3600, 31.8186, 19.9749



14.3115, 16.9531, 12.4158



3.9666, 4.2663, 3.9567



15.0898, 18.1835, 2.7144



73.5342, 88.6100, 13.2278

Inverse Universe

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



11.3859, 11.0387, 18.9843



18.4386, 17.4173, 33.6431



12.8971, 11.8178, 19.0550



3.5006, 3.5899, 4.5986



3.5378, 1.4152, 18.6293



17.2399, 6.8960, 90.7827

Previews

White Background



This preview shows how the XYZ color 16.0929, 17.8709, 12.4988 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 16.0929, 17.8709, 12.4988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

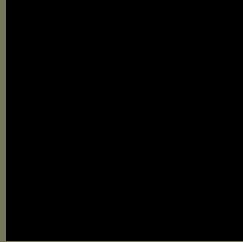
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.0929, 17.8709, 12.4988

Background



This preview shows how black text looks on a background with the XYZ color 16.0929, 17.8709, 12.4988.

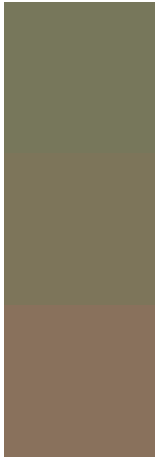


This preview shows how white text looks on a background with the XYZ color 16.0929, 17.8709,

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

16.0929, 17.8709, 12.4988

Protanopia

16.6642, 17.8207, 12.2343

Deuteranopia

18.1534, 17.9013, 12.6237



Tritanopia

17.9372, 17.9277, 21.5838

Trichromacy



Original Color

16.0929, 17.8709, 12.4988

Protanomaly

16.4923, 17.9060, 12.2598

Deuteranomaly

17.2684, 17.7800, 12.6470

Tritanomaly

17.1961, 17.7982, 17.8583

Monochromacy



Original Color

16.0929, 17.8709, 12.4988

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.3513, 17.5660, 16.4387

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.0929, 17.8709, 12.4988 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(119, 119, 91)` looks like.

```
.text, #text, p{  
    color:rgb(119, 119, 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(119, 119, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 119, 91) }
```

Border

The CSS property to change the border of an element to XYZ 16.0929, 17.8709, 12.4988 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(119, 119, 91) }
```


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

```
.border{ border-color:rgb(119, 119, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 119, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 119, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 119, 91);  
box-shadow:4px 4px 4px 4px rgb(119, 119,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 16.0929, 17.8709, 12.4988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 119, 91) }
```

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

```
.background{ background-color: rgb(119,  
119, 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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