

Converting Colors

XYZ(12.8956, 12.0316, 7.6679)

Have a look what the booklet for
XYZ(12.8956, 12.0316, 7.6679)
contains.

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Color

**XYZ(12.9045, 12.0747,
7.6117)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5B47
RGB	122, 91, 71
RGB Percent	48%, 36%, 28%
CMY	0.5216, 0.6431, 0.7216
CMYK	0.00, 0.25, 0.42, 0.52
HSL	24°, 26%, 38%
HSV	24°, 42%, 48%
XYZ	12.9045, 12.0747, 7.6117
YIQ	97.9890, 24.8960, 0.3520

Conversions

Conversions Part 2

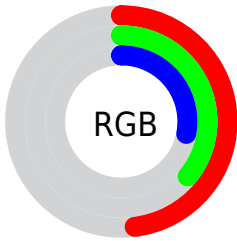
Format	Color
R_YB	122, 104, 71
Decimal	8018759
CIE _{Lab}	41.33, 9.85, 16.46
CIE _{LCh}	41, 19.186, 59.106
Yxy	12.0747, 0.3960, 0.3705
Android (android.graphics.Color)	4286208839 (0xFF7A5B47)
YUV	97.9890, -13.3056, 21.0576
Hunter-Lab	34.7487, 5.4788, 11.3366

Details

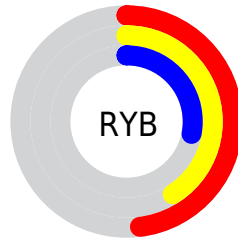
The XYZ color **12.9045, 12.0747, 7.6117** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **10.8626, 12.2470, 20.2039**, and the grayscale version is **11.6347, 12.2406, 13.3300**.

A 20% lighter version of the original color is **30.8195, 29.6359, 21.8652**, and **3.8087, 3.3336, 1.4796** is the 20% darker color. If you saturate the color by 10%, you get **11.9488, 10.7282, 5.5516**, and if you desaturate by 10%, it is **14.0021, 13.5791, 10.1073**.

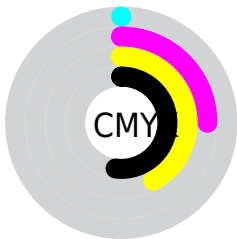
Distribution



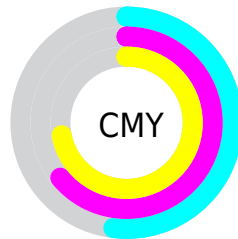
- Red (48%)
- Green (36%)
- Blue (28%)



- Red (48%)
- Yellow (41%)
- Blue (28%)



- Cyan (0%)
- Magenta (25%)
- Yellow (42%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9045, 12.0747, 7.6117 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 12.9045, 12.0747, 7.6117 by changing the saturation by 10% instead.

■ 12.9045, 12.0747,
7.6117

■ 12.9045, 12.0747,
7.6117

203.9547,
204.8992, 182.4732

■ 7.4394, 6.7946,
3.7633

■ 30.7349, 29.6311,
21.7271

■ 3.7871, 3.3340,
1.4964

■ 43.8308, 42.6761,
32.8312

■ 1.5824, 1.3085,
0.2153

■ 60.2011, 59.0783,
47.1909

■ 0.3809, 0.1477,
0.0000

■ 80.2111, 79.2219,
65.2248

■ 0.0000, 0.0000,
0.0000

■ 104.2260,
103.4914, 87.3515

132.6114,

132.2712, 113.9894

165.7325,
165.9457, 145.5571

■ 12.9045, 12.0747,
7.6117

■ 12.9045, 12.0747,
7.6117

■ 11.9488, 10.7282,
5.5516

■ 14.0021, 13.5791,
10.1073

■ 11.1275, 9.5324,
3.9007

■ 15.2468, 15.2449,
13.0612

■ 10.4339, 8.4820,
2.6311

■ 16.6445, 17.0776,
16.4952

■ 9.8600, 7.5705,
1.7108

■ 18.2007, 19.0819,
20.4299

■ 9.3967, 6.7912,
1.1027

■ 19.9204, 21.2624,
24.8842

■ 9.0769, 6.2393,
0.7259

■ 21.8085, 23.6234,
29.8764

■ 23.8696, 26.1690,
35.4238

■ 26.1082, 28.9033,
41.5428

■ 28.5285, 31.8303,
48.2493

Harmonies

Analogous

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



13.9740, 12.0747, 9.7642



12.9045, 12.0747, 7.6117



11.5184, 12.0747, 6.8825

Triad

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



12.9045, 12.0747, 7.6117



9.0061, 12.0747, 13.0282



12.8265, 12.0747, 21.0340

Complementary

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



12.9045, 12.0747, 7.6117



10.8626, 12.2470, 20.2039

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.



11.4350, 12.0747, 22.3828



12.9045, 12.0747, 7.6117



9.2961, 12.0747, 17.2334

Square

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



12.9045, 12.0747, 7.6117



9.3324, 12.0747, 9.5954



10.1582, 12.0747, 20.8709



13.9265, 12.0747, 17.4825

Rectangle

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



12.9045, 12.0747, 7.6117



10.6238, 12.0747, 7.1594



10.1582, 12.0747, 20.8709



12.3739, 12.0747, 21.7883

Sweetspot

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



12.9048, 12.0753, 7.6119



28.8935, 29.5383, 28.0518



12.7000, 9.6124, 13.8738



6.5003, 6.6153, 6.1509



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.



12.9048, 12.0753, 7.6119



21.1151, 19.0081, 9.9627



15.4146, 17.0949, 8.4486



4.1153, 4.2490, 4.2277



9.5487, 6.5534, 0.7617



44.7712, 29.7059, 3.3741

Inverse Universe

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



10.8626, 12.2470, 20.2039



17.0105, 19.3399, 35.2293



8.7619, 8.0456, 19.5036



3.9813, 4.2609, 5.0558



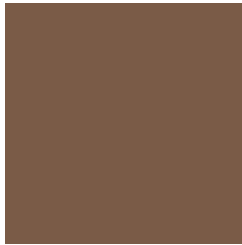
6.2790, 6.6404, 20.3361



29.1049, 29.9823, 96.7230

Previews

White Background



This preview shows how the XYZ color 12.9045, 12.0747, 7.6117 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 12.9045, 12.0747, 7.6117 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 12.9045, 12.0747, 7.6117

Background



This preview shows how black text looks on a background with the XYZ color 12.9045, 12.0747, 7.6117.



This preview shows how white text looks on a background with the XYZ color 12.9045, 12.0747,

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

12.9045, 12.0747, 7.6117

Protanopia

11.4294, 12.2330, 8.2374

Deuteranopia

12.3107, 12.1606, 7.4927



Tritanopia

13.8675, 12.0908, 12.4293

Trichromacy



Original Color

12.9045, 12.0747, 7.6117

Protanomaly

11.8504, 12.0450, 8.0037

Deuteranomaly

12.4911, 12.1224, 7.4759

Tritanomaly

13.4205, 12.0276, 10.4183

Monochromacy



Original Color

12.9045, 12.0747, 7.6117

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.9171, 12.0148, 10.9235

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9045, 12.0747, 7.6117 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(122, 91, 71)` looks like.

```
.text, #text, p{  
    color:rgb(122, 91, 71)  
}
```

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(122, 91, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 91, 71) }
```

Border

The CSS property to change the border of an element to XYZ 12.9045, 12.0747, 7.6117 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(122, 91, 71) }
```


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

```
.border{ border-color:rgb(122, 91, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 91, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 91, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 91, 71);  
box-shadow:4px 4px 4px 4px rgb(122, 91,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9045, 12.0747, 7.6117 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 91, 71) }
```

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

```
.background{ background-color: rgb(122, 91,  
71) }
```

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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