

Converting Colors

XYZ(12.0624, 10.0605, 5.1933)

Have a look what the booklet for
XYZ(12.0624, 10.0605, 5.1933)
contains.

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Color

**XYZ(11.9966, 10.0388,
5.1763)**

Conversions

Conversions Part 1

Format	Color
Hex	7E4D39
RGB	126, 77, 57
RGB Percent	49%, 30%, 22%
CMY	0.5059, 0.6980, 0.7765
CMYK	0.00, 0.39, 0.55, 0.51
HSL	17°, 38%, 36%
HSV	17°, 55%, 49%
XYZ	11.9966, 10.0388, 5.1763
YIQ	89.3710, 35.6240, 4.1680

Conversions

Conversions Part 2

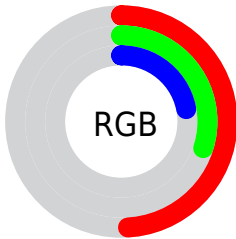
Format	Color
R _Y B	126, 85, 57
Decimal	8277305
CIE Lab	37.91, 18.43, 20.50
CIE LCh	38, 27.566, 48.044
Yxy	10.0388, 0.4409, 0.3689
Android (android.graphics.Color)	4286467385 (0xFF7E4D39)
YUV	89.3710, -15.9589, 32.1236
Hunter-Lab	31.6841, 12.1387, 12.4925

Details

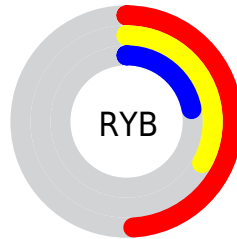
The XYZ color **11.9966, 10.0388, 5.1763** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **10.6070, 12.6837, 21.6278**, and the grayscale version is **9.6069, 10.1072, 11.0067**.

A 20% lighter version of the original color is **29.0156, 25.7449, 16.5367**, and **3.4198, 2.5206, 0.7217** is the 20% darker color. If you saturate the color by 10%, you get **11.1369, 8.7616, 3.5268**, and if you desaturate by 10%, it is **13.0210, 11.5205, 7.2659**.

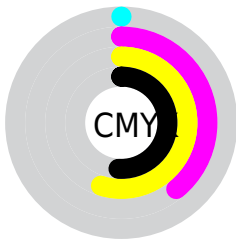
Distribution



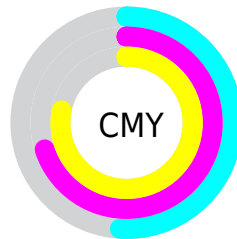
- Red (49%)
- Green (30%)
- Blue (22%)



- Red (49%)
- Yellow (33%)
- Blue (22%)



- Cyan (0%)
- Magenta (39%)
- Yellow (55%)
- Black (51%)





- Cyan (51%)
- Magenta (70%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.9966, 10.0388, 5.1763 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 11.9966, 10.0388, 5.1763 by changing the saturation by 10% instead.


 11.9966, 10.0388,
5.1763

 11.9966, 10.0388,
5.1763


198.1532,
190.9488, 160.5189


 6.8135, 5.4247,
2.2905


 29.1058, 25.8685,
16.6428


 3.3911, 2.4985,
0.7259

 41.7627, 37.8528,
26.0605


 1.3638, 0.8759,
0.0000

 57.6416, 53.0627,
38.4927

 0.2302, 0.0000,
0.0000

 77.1078, 71.8824,
54.3579

 0.0000, 0.0000,
0.0000

 100.5267, 94.6966,
74.0745

 128.2636,

121.8894, 98.0612

160.6840,
153.8453, 126.7365

■ 11.9966, 10.0388,
5.1763

■ 11.9966, 10.0388,
5.1763

■ 11.1369, 8.7616,
3.5268

■ 13.0210, 11.5205,
7.2659

■ 10.4318, 7.6780,
2.2845

■ 14.2179, 13.2140,
9.8240

■ 9.8710, 6.7784,
1.4132

■ 15.5955, 15.1278,
12.8771

■ 9.4407, 6.0508,
0.8599

■ 17.1612, 17.2697,
16.4496

■ 9.2511, 5.7295,
0.6183

■ 18.9220, 19.6470,
20.5645

■ 20.8846, 22.2667,
25.2432

■ 23.0553, 25.1356,
30.5058

■ 25.4400, 28.2601,
36.3718

■ 28.0445, 31.6464,
42.8595

Harmonies

Analogous

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



13.1481, 10.0388, 8.1866



11.9966, 10.0388, 5.1763



10.2625, 10.0388, 3.9100

Triad

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



11.9966, 10.0388, 5.1763



6.5902, 10.0388, 9.0371



10.6325, 10.0388, 23.0296

Complementary

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



11.9966, 10.0388, 5.1763



10.6070, 12.6837, 21.6278

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.



8.8553, 10.0388, 23.4717



11.9966, 10.0388, 5.1763



6.6634, 10.0388, 14.2279

Square

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



11.9966, 10.0388, 5.1763



7.2326, 10.0388, 5.6327



7.4467, 10.0388, 19.8747



12.2961, 10.0388, 18.8066

Rectangle

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



11.9966, 10.0388, 5.1763



9.0743, 10.0388, 3.8522



7.4467, 10.0388, 19.8747



10.0246, 10.0388, 23.6641

Sweetspot

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



11.9968, 10.0393, 5.1765



29.7401, 29.7627, 27.8773



12.6923, 8.4120, 14.7134



6.6585, 6.6250, 6.0969



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.



11.9968, 10.0393, 5.1765



19.2317, 14.8583, 5.5304



15.0326, 16.1108, 6.1884



4.4215, 4.5317, 4.5618



9.4875, 5.8713, 0.6332



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.6070, 12.6837, 21.6278



16.4790, 19.9731, 37.7310



7.7675, 7.0046, 20.6812



4.3444, 4.6828, 5.4882



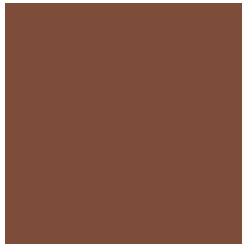
7.5651, 8.9487, 21.5785



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 11.9966, 10.0388, 5.1763 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 11.9966, 10.0388, 5.1763 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 11.9966, 10.0388, 5.1763

Background



This preview shows how black text looks on a background with the XYZ color 11.9966, 10.0388, 5.1763.



This preview shows how white text looks on a background with the XYZ color 11.9966, 10.0388,

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

11.9966, 10.0388, 5.1763

Protanopia

9.4554, 10.2015, 6.0282

Deuteranopia

10.2017, 10.1196, 5.0300



Tritanopia

12.7621, 10.0513, 8.6646

Trichromacy



Original Color

11.9966, 10.0388, 5.1763

Protanomaly

10.2485, 10.0114, 5.6672

Deuteranomaly

10.8773, 10.1169, 5.1208

Tritanomaly

12.4058, 9.9991, 7.2374

Monochromacy



Original Color

11.9966, 10.0388, 5.1763

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.0675, 9.8576, 8.3933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.9966, 10.0388, 5.1763 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(126, 77, 57)` looks like.

```
.text, #text, p{  
    color:rgb(126, 77, 57)  
}
```

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(126, 77, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 77, 57) }
```

Border

The CSS property to change the border of an element to XYZ 11.9966, 10.0388, 5.1763 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(126, 77, 57) }
```


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

```
.border{ border-color:rgb(126, 77, 57) }
```

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

Here you see how a box with a 4 pixel rgb(126, 77, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 77, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 77, 57);  
box-shadow:4px 4px 4px 4px rgb(126, 77,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 11.9966, 10.0388, 5.1763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 77, 57) }
```

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

```
.background{ background-color: rgb(126, 77,  
57) }
```

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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