

Converting Colors

XYZ(12.4684, 11.8720, 5.2076)

Have a look what the booklet for
XYZ(12.4684, 11.8720, 5.2076)
contains.

XYZ(12.4567, 11.8956, 5.2540)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.4567, 11.8956,
5.2540)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5B37
RGB	122, 91, 55
RGB Percent	48%, 36%, 22%
CMY	0.5216, 0.6431, 0.7843
CMYK	0.00, 0.25, 0.55, 0.52
HSL	32°, 38%, 35%
HSV	32°, 55%, 48%
XYZ	12.4567, 11.8956, 5.2540
YIQ	96.1650, 30.0320, -4.6240

Conversions

Conversions Part 2

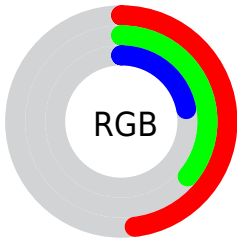
Format	Color
R_{YB}	113, 122, 55
Decimal	8018743
CIE Lab	41.05, 8.07, 25.55
CIE LCh	41, 26.794, 72.468
Yxy	11.8956, 0.4207, 0.4018
Android (android.graphics.Color)	4286208823 (0xFF7A5B37)
YUV	96.1650, -20.2943, 22.6573
Hunter-Lab	34.4900, 4.1111, 15.1111

Details

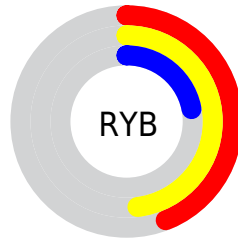
The XYZ color **12.4567, 11.8956, 5.2540** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.4160, 8.8725, 19.6812**, and the grayscale version is **11.2012, 11.7846, 12.8334**.

A 20% lighter version of the original color is **29.8776, 29.2591, 16.9048**, and **3.5973, 3.2405, 0.7525** is the 20% darker color. If you saturate the color by 10%, you get **11.7353, 10.8642, 3.7449**, and if you desaturate by 10%, it is **13.2874, 13.0296, 7.1566**.

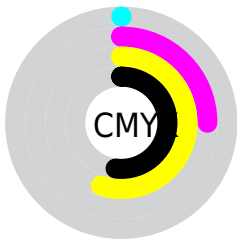
Distribution



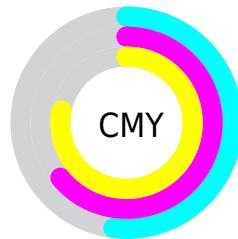
- Red (48%)
- Green (36%)
- Blue (22%)



- Red (44%)
- Yellow (48%)
- Blue (22%)



- Cyan (0%)
- Magenta (25%)
- Yellow (55%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.4567, 11.8956, 5.2540 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 12.4567, 11.8956, 5.2540 by changing the saturation by 10% instead.

■ 12.4567, 11.8956,
5.2540

■ 12.4567, 11.8956,
5.2540

201.1145,
203.7129, 161.2832

■ 7.1299, 6.6726,
2.3357

■ 29.9339, 29.3048,
16.8118

■ 3.5905, 3.2582,
0.7511

■ 42.8150, 42.2599,
26.2883

■ 1.4732, 1.2680,
0.0000

■ 58.9450, 58.5610,
38.7880

■ 0.3075, 0.1162,
0.0000

■ 78.6891, 78.5928,
54.7295

■ 0.0000, 0.0000,
0.0000

■ 102.4128,
102.7394, 74.5312

■ 130.4813,

131.3854, 98.6117

163.2601,
164.9151, 127.3895

■ 12.4567, 11.8956,
5.2540

■ 12.4567, 11.8956,
5.2540

■ 11.7353, 10.8642,
3.7449

■ 13.2874, 13.0296,
7.1566

■ 11.1159, 9.9301,
2.5998

■ 14.2320, 14.2681,
9.4779

■ 10.5920, 9.0896,
1.7858

■ 15.2962, 15.6149,
12.2418

■ 10.1530, 8.3372,
1.2522

■ 16.4846, 17.0731,
15.4704

■ 9.9485, 7.9825,
1.0164

■ 17.8020, 18.6457,
19.1840

■ 19.2525, 20.3353,
23.4019

■ 20.8402, 22.1449,
28.1422

■ 22.5691, 24.0768,
33.4223

■ 24.4428, 26.1338,
39.2584

Harmonies

Analogous

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



14.2577, 11.8956, 7.0396



12.4567, 11.8956, 5.2540



10.5271, 11.8956, 5.1225

Triad

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



12.4567, 11.8956, 5.2540



8.0681, 11.8956, 15.3744



13.9898, 11.8956, 22.4340

Complementary

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



12.4567, 11.8956, 5.2540



8.4160, 8.8725, 19.6812

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.



12.1232, 11.8956, 26.2798



12.4567, 11.8956, 5.2540



8.7934, 11.8956, 21.4936

Square

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



12.4567, 11.8956, 5.2540



8.1357, 11.8956, 10.0182



10.2292, 11.8956, 25.8937



15.2094, 11.8956, 16.4096

Rectangle

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



12.4567, 11.8956, 5.2540



9.4362, 11.8956, 5.9173



10.2292, 11.8956, 25.8937



13.4087, 11.8956, 24.0920

Sweetspot

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



12.4570, 11.8962, 5.2542



28.6805, 29.6477, 26.3303



11.0827, 7.5462, 9.7331



6.4788, 6.6828, 5.8035



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.



12.4570, 11.8962, 5.2542



20.3374, 18.6575, 5.9892



15.3624, 18.1712, 6.3123



4.1600, 4.3385, 4.2426



10.4658, 8.3876, 1.0674



49.0640, 38.2914, 4.8050

Inverse Universe

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



8.4160, 8.8725, 19.6812



12.4425, 12.7579, 34.1996



6.5798, 5.0144, 19.0333



3.9362, 4.1707, 5.0408



5.2018, 4.4860, 19.9770



23.9793, 19.7312, 95.0145

Previews

White Background



This preview shows how the XYZ color 12.4567, 11.8956, 5.2540 looks on a white background.

Color Contrast Check

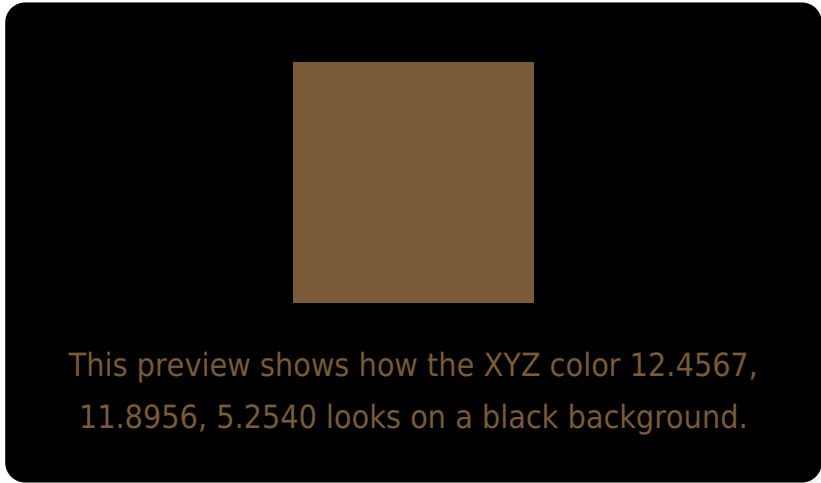
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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

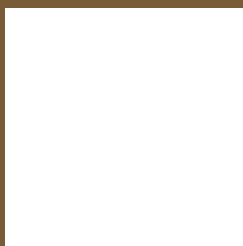
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.4567, 11.8956, 5.2540

Background



This preview shows how black text looks on a background with the XYZ color 12.4567, 11.8956, 5.2540.



This preview shows how white text looks on a background with the XYZ color 12.4567, 11.8956,

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

12.4567, 11.8956, 5.2540

Protanopia

10.9571, 11.9090, 5.5921

Deuteranopia

12.0752, 11.9561, 5.2858



Tritanopia

13.7610, 11.8059, 11.9094

Trichromacy



Original Color

12.4567, 11.8956, 5.2540

Protanomaly

11.4881, 11.9147, 5.4357

Deuteranomaly

12.1245, 11.8521, 5.2631

Tritanomaly

13.2132, 11.8290, 8.9840

Monochromacy



Original Color

12.4567, 11.8956, 5.2540

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.3136, 11.6027, 9.4278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4567, 11.8956, 5.2540 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, 55)` looks like.

```
.text, #text, p{  
    color:rgb(122, 91, 55)  
}
```

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, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 91, 55) }
```

Border

The CSS property to change the border of an element to XYZ 12.4567, 11.8956, 5.2540 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, 55) }
```


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

```
.border{ border-color:rgb(122, 91, 55) }
```

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, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 91, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 91, 55);  
box-shadow:4px 4px 4px 4px rgb(122, 91,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4567, 11.8956, 5.2540 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, 55) }
```

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

```
.background{ background-color: rgb(122, 91,  
55) }
```

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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