

Converting Colors

XYZ(12.1498, 11.7105, 3.5541)

Have a look what the booklet for
XYZ(12.1498, 11.7105, 3.5541)
contains.

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Color

**XYZ(12.0484, 11.5964,
3.5228)**

Conversions

Conversions Part 1

Format	Color
Hex	7A5A27
RGB	122, 90, 39
RGB Percent	48%, 35%, 15%
CMY	0.5216, 0.6470, 0.8471
CMYK	0.00, 0.26, 0.68, 0.52
HSL	37°, 52%, 32%
HSV	37°, 68%, 48%
XYZ	12.0484, 11.5964, 3.5228
YIQ	93.7540, 35.4430, -9.0770

Conversions

Conversions Part 2

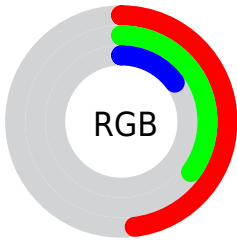
Format	Color
RYB	91, 122, 39
Decimal	8018471
CIELab	40.57, 7.34, 33.80
CIElCh	41, 34.589, 77.740
Yxy	11.5964, 0.4435, 0.4268
Android (android.graphics.Color)	4286208551 (0xFF7A5A27)
YUV	93.7540, -26.9937, 24.7717
Hunter-Lab	34.0535, 3.5611, 17.7039

Details

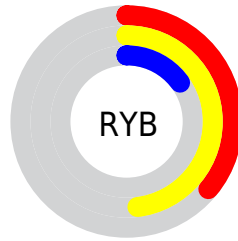
The XYZ color **12.0484, 11.5964, 3.5228** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.6027, 6.3427, 19.2884**, and the grayscale version is **10.6373, 11.1913, 12.1873**.

A 20% lighter version of the original color is **29.1893, 28.7752, 12.8198**, and **3.4642, 3.1789, 0.4310** is the 20% darker color. If you saturate the color by 10%, you get **11.4937, 10.7602, 2.4961**, and if you desaturate by 10%, it is **12.6938, 12.5100, 4.9010**.

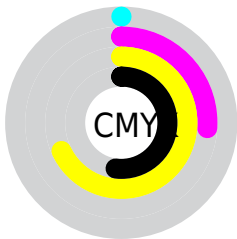
Distribution



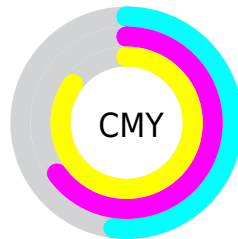
- Red (48%)
- Green (35%)
- Blue (15%)



- Red (36%)
- Yellow (48%)
- Blue (15%)



- Cyan (0%)
- Magenta (26%)
- Yellow (68%)
- Black (52%)



- Cyan (52%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0484, 11.5964, 3.5228 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 12.0484, 11.5964, 3.5228 by changing the saturation by 10% instead.

■ 12.0484, 11.5964,
3.5228

■ 12.0484, 11.5964,
3.5228

198.4888,
201.7147, 142.7637

■ 6.8491, 6.4695,
1.3674

■ 29.1993, 28.7579,
12.8933

■ 3.4134, 3.1326,
0.1161

■ 41.8816, 41.5612,
20.9455

■ 1.3760, 1.2014,
0.0000

■ 57.7890, 57.6922,
31.8004

■ 0.2390, 0.0628,
0.0000

■ 77.2867, 77.5351,
45.8764

■ 0.0000, 0.0000,
0.0000

■ 100.7402,
101.4744, 63.5923

■ 128.5148,

129.8946, 85.3664

160.9759,
163.1799, 111.6173

12.0484, 11.5964,
3.5228

12.0484, 11.5964,
3.5228

11.4937, 10.7602,
2.4961

12.6938, 12.5100,
4.9010

11.0220, 9.9961,
1.7857

13.4352, 13.5025,
6.6598

10.6163, 9.2971,
1.3040

14.2784, 14.5772,
8.8262

10.5399, 9.1654,
1.2136

15.2282, 15.7369,
11.4244

16.2895, 16.9841,
14.4767

■ 17.4665, 18.3212,
18.0039

■ 18.7632, 19.7504,
22.0255

■ 20.1836, 21.2739,
26.5598

■ 21.7312, 22.8938,
31.6243

Harmonies

Analogous

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



14.4871, 11.5964, 5.0653



12.0484, 11.5964, 3.5228



9.6536, 11.5964, 3.6667

Triad

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



12.0484, 11.5964, 3.5228



7.1308, 11.5964, 17.1782



14.8710, 11.5964, 23.9869

Complementary

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



12.0484, 11.5964, 3.5228



6.6027, 6.3427, 19.2884

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.



12.5140, 11.5964, 30.2306



12.0484, 11.5964, 3.5228



8.1589, 11.5964, 25.4073

Square

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



12.0484, 11.5964, 3.5228



7.0443, 11.5964, 9.9833



10.0557, 11.5964, 30.8295



16.2707, 11.5964, 15.6994

Rectangle

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



12.0484, 11.5964, 3.5228



8.3930, 11.5964, 4.7038



10.0557, 11.5964, 30.8295



14.1497, 11.5964, 26.5082

Sweetspot

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



12.0487, 11.5970, 3.5230



28.1823, 29.3282, 24.0770



9.9278, 6.0592, 6.8116



6.3466, 6.5922, 5.2237



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.



12.0487, 11.5970, 3.5230



19.7109, 18.1163, 3.5855



14.2261, 17.6227, 4.5713



4.1841, 4.3866, 4.2507



11.0888, 9.6334, 1.2750



52.0510, 44.2655, 5.8007

Inverse Universe

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



6.6027, 6.3427, 19.2884



9.4271, 8.2363, 33.4858



5.4246, 3.4678, 18.7956



3.9126, 4.1234, 5.0329



4.7623, 3.6071, 19.8305



21.9465, 15.6655, 94.3368

Previews

White Background



This preview shows how the XYZ color 12.0484, 11.5964, 3.5228 looks on a white background.

Color Contrast Check

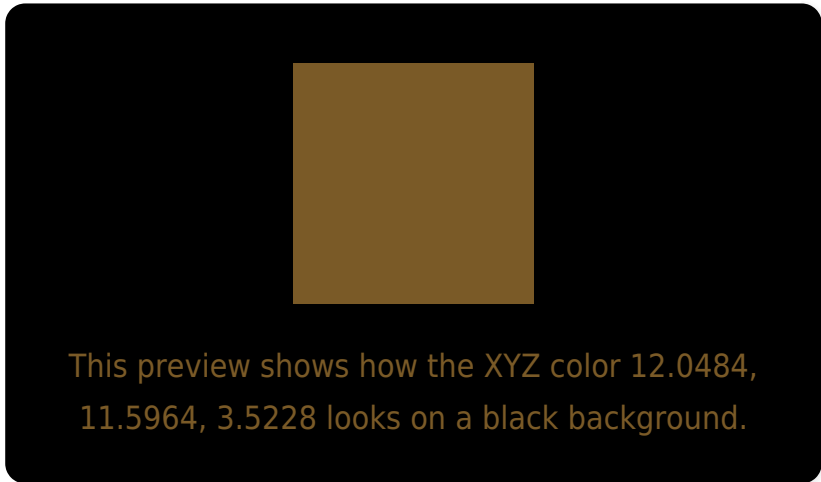
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0484, 11.5964, 3.5228

Background



This preview shows how black text looks on a background with the XYZ color 12.0484, 11.5964, 3.5228.



This preview shows how white text looks on a background with the XYZ color 12.0484, 11.5964,

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

12.0484, 11.5964, 3.5228

Protanopia

10.6465, 11.6516, 3.7857

Deuteranopia

11.7150, 11.5506, 3.5315



Tritanopia

13.7410, 11.6880, 11.4293

Trichromacy



Original Color

12.0484, 11.5964, 3.5228

Protanomaly

11.0678, 11.6034, 3.6638

Deuteranomaly

11.8530, 11.6217, 3.5380

Tritanomaly

13.0353, 11.6442, 7.6914

Monochromacy



Original Color

12.0484, 11.5964, 3.5228

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.8593, 11.2662, 8.0808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0484, 11.5964, 3.5228 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, 90, 39)` looks like.

```
.text, #text, p{  
    color:rgb(122, 90, 39)  
}
```

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, 90, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 90, 39) }
```

Border

The CSS property to change the border of an element to XYZ 12.0484, 11.5964, 3.5228 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, 90, 39) }
```


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

```
.border{ border-color:rgb(122, 90, 39) }
```

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

Here you see how a box with a 4 pixel rgb(122, 90, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 90, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 90, 39);  
box-shadow:4px 4px 4px 4px rgb(122, 90,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0484, 11.5964, 3.5228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 90, 39) }
```

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

```
.background{ background-color: rgb(122, 90,  
39) }
```

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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