

Converting Colors

XYZ(12.2343, 11.8580, 3.4366)

Have a look what the booklet for
XYZ(12.2343, 11.8580, 3.4366)
contains.

XYZ(12.2593, 11.8331, 3.4716)	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(12.2593, 11.8331,
3.4716)**

Conversions

Conversions Part 1

Format	Color
Hex	7B5B26
RGB	123, 91, 38
RGB Percent	48%, 36%, 15%
CMY	0.5176, 0.6431, 0.8510
CMYK	0.00, 0.26, 0.69, 0.52
HSL	37°, 53%, 32%
HSV	37°, 69%, 48%
XYZ	12.2593, 11.8331, 3.4716
YIQ	94.5260, 36.0850, -9.6990

Conversions

Conversions Part 2

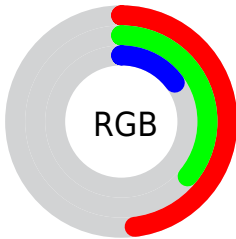
Format	Color
R_{YB}	89, 123, 38
Decimal	8084262
CIE _{Lab}	40.95, 7.15, 34.77
CIE _{LCh}	41, 35.498, 78.373
Yxy	11.8331, 0.4448, 0.4293
Android (android.graphics.Color)	4286274342 (0xFF7B5B26)
YUV	94.5260, -27.8673, 24.9717
Hunter-Lab	34.3993, 3.4156, 18.0959

Details

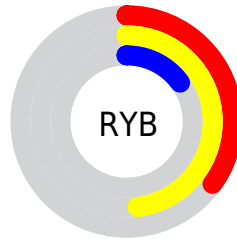
The XYZ color **12.2593, 11.8331, 3.4716** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **6.5645, 6.2221, 19.5937**, and the grayscale version is **10.8226, 11.3862, 12.3996**.

A 20% lighter version of the original color is **29.5247, 29.1706, 12.6687**, and **3.5369, 3.2164, 0.4344** is the 20% darker color. If you saturate the color by 10%, you get **11.7091, 10.9996, 2.4659**, and if you desaturate by 10%, it is **12.9001, 12.7429, 4.8315**.

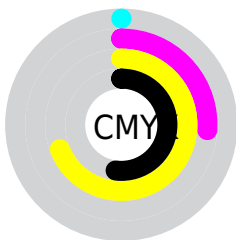
Distribution



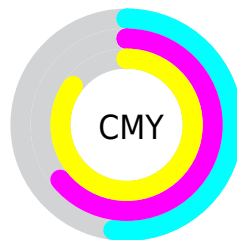
- Red (48%)
- Green (36%)
- Blue (15%)



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



- Cyan (0%)
- Magenta (26%)
- Yellow (69%)
- Black (52%)



- Cyan (52%)
- Magenta (64%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2593, 11.8331, 3.4716 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 12.2593, 11.8331, 3.4716 by changing the saturation by 10% instead.

■ 12.2593, 11.8331,
3.4716

■ 12.2593, 11.8331,
3.4716

199.8495,
203.2972, 142.1575

■ 6.9940, 6.6301,
1.3402

■ 29.5793, 29.1908,
12.7715

■ 3.5046, 3.2319,
0.0944

■ 42.3646, 42.1143,
20.7771

■ 1.4259, 1.2540,
0.0000

■ 58.3874, 58.3800,
31.5778

■ 0.2746, 0.1051,
0.0000

■ 78.0129, 78.3725,
45.5922

■ 0.0000, 0.0000,
0.0000

■ 101.6065,
102.4761, 63.2389

■ 129.5336,

131.0751, 84.9363

162.1594,
164.5540, 111.1030

12.2593, 11.8331,
3.4716

12.2593, 11.8331,
3.4716

11.7091, 10.9996,
2.4659

12.9001, 12.7429,
4.8315

11.2416, 10.2370,
1.7779

13.6369, 13.7304,
6.5759

10.8362, 9.5370,
1.3013

14.4757, 14.7991,
8.7325

10.8012, 9.4766,
1.2599

15.4215, 15.9517,
11.3262

16.4792, 17.1908,
14.3800

■ 17.6530, 18.5186,
17.9153

■ 18.9472, 19.9376,
21.9520

■ 20.3657, 21.4498,
26.5091

■ 21.9122, 23.0573,
31.6043

Harmonies

Analogous

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



14.8096, 11.8331, 5.0072



12.2593, 11.8331, 3.4716



9.7780, 11.8331, 3.6522

Triad

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



12.2593, 11.8331, 3.4716



7.2228, 11.8331, 17.8100



15.3027, 11.8331, 24.5746

Complementary

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



12.2593, 11.8331, 3.4716



6.5645, 6.2221, 19.5937

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.



12.8562, 11.8331, 31.2165



12.2593, 11.8331, 3.4716



8.3072, 11.8331, 26.4068

Square

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



12.2593, 11.8331, 3.4716



7.1128, 11.8331, 10.2682



10.2920, 11.8331, 31.9906



16.7352, 11.8331, 15.9107

Rectangle

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



12.2593, 11.8331, 3.4716



8.4818, 11.8331, 4.7405



10.2920, 11.8331, 31.9906



14.5561, 11.8331, 27.2382

Sweetspot

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



12.2596, 11.8337, 3.4718



29.0348, 30.2351, 24.3548



9.9855, 6.0468, 6.5323



6.7362, 7.0020, 5.4397



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.



12.2596, 11.8337, 3.4718



20.4543, 18.8721, 3.6205



14.2535, 17.8219, 4.5226



4.1870, 4.3923, 4.2516



11.1685, 9.7930, 1.3016



52.4364, 45.0362, 5.9292

Inverse Universe

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



6.5645, 6.2221, 19.5937



9.5517, 8.1766, 34.6314



5.4833, 3.4428, 19.1142



3.9098, 4.1179, 5.0319



4.7164, 3.5152, 19.8152



21.7369, 15.2465, 94.2670

Previews

White Background



This preview shows how the XYZ color 12.2593, 11.8331, 3.4716 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 12.2593, 11.8331, 3.4716 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 12.2593, 11.8331, 3.4716

Background



This preview shows how black text looks on a background with the XYZ color 12.2593, 11.8331, 3.4716.



This preview shows how white text looks on a background with the XYZ color 12.2593, 11.8331,

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

12.2593, 11.8331, 3.4716

Protanopia

10.8420, 11.8907, 3.7312

Deuteranopia

12.0622, 11.8592, 3.4870



Tritanopia

13.9327, 11.7817, 11.6650

Trichromacy



Original Color

12.2593, 11.8331, 3.4716

Protanomaly

11.2685, 11.8416, 3.6112

Deuteranomaly

12.2030, 11.9318, 3.4936

Tritanomaly

13.1821, 11.7199, 7.6983

Monochromacy



Original Color

12.2593, 11.8331, 3.4716

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

11.0644, 11.5031, 8.1157

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2593, 11.8331, 3.4716 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(123, 91, 38)` looks like.

```
.text, #text, p{  
    color:rgb(123, 91, 38)  
}
```

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(123, 91, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 91, 38) }
```

Border

The CSS property to change the border of an element to XYZ 12.2593, 11.8331, 3.4716 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(123, 91, 38) }
```


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

```
.border{ border-color:rgb(123, 91, 38) }
```

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

Here you see how a box with a 4 pixel rgb(123, 91, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 91, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 91, 38);  
box-shadow:4px 4px 4px 4px rgb(123, 91,  
38) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2593, 11.8331, 3.4716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 91, 38) }
```

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

```
.background{ background-color: rgb(123, 91,  
38) }
```

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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