

Converting Colors

XYZ(11.8232, 15.2106, 9.3728)

Have a look what the booklet for
XYZ(11.8232, 15.2106, 9.3728)
contains.

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Color

**XYZ(11.8014, 15.2003,
9.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	5A744D
RGB	90, 116, 77
RGB Percent	35%, 45%, 30%
CMY	0.6471, 0.5451, 0.6980
CMYK	0.22, 0.00, 0.34, 0.55
HSL	100°, 20%, 38%
HSV	100°, 34%, 45%
XYZ	11.8014, 15.2003, 9.3331
YIQ	103.7800, -2.9770, -17.6410

Conversions

Conversions Part 2

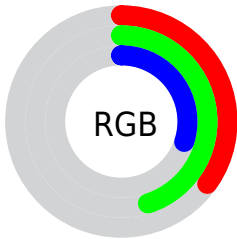
Format	Color
RYB	77, 116, 103
Decimal	5928013
CIELab	45.91, -17.40, 18.55
CIElCh	46, 25.437, 133.163
Yxy	15.2003, 0.3248, 0.4183
Android (android.graphics.Color)	4284118093 (0xFF5A744D)
YUV	103.7800, -13.2025, -12.0851
Hunter-Lab	38.9876, -14.1969, 13.0981

Details

The XYZ color **11.8014, 15.2003, 9.3331** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.4004, 9.4527, 17.7476**, and the grayscale version is **13.1344, 13.8184, 15.0482**.

A 20% lighter version of the original color is **28.7530, 35.1743, 25.0125**, and **3.3241, 4.7521, 2.1086** is the 20% darker color. If you saturate the color by 10%, you get **10.7144, 14.6836, 7.3316**, and if you desaturate by 10%, it is **13.0406, 15.7879, 11.7237**.

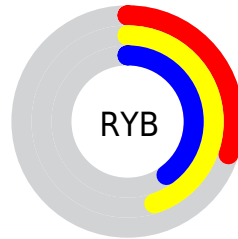
Distribution



Red (35%)

Green (45%)

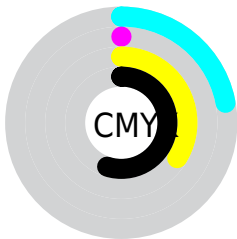
Blue (30%)



Red (30%)

Yellow (45%)

Blue (40%)

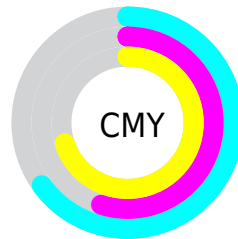


Cyan (22%)

Magenta (0%)

Yellow (34%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8014, 15.2003, 9.3331 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 11.8014, 15.2003, 9.3331 by changing the saturation by 10% instead.

■ 11.8014, 15.2003,
9.3331

■ 11.8014, 15.2003,
9.3331

196.8829,
224.5754, 196.1524

■ 6.6798, 8.9601,
4.8593

■ 28.7529, 35.2042,
25.1212

■ 3.3072, 4.7152,
2.1077

■ 41.3135, 49.7366,
37.2727

■ 1.3182, 2.0811,
0.6203

■ 57.0845, 67.8020,
52.8204

■ 0.1968, 0.6540,
0.0000

■ 76.4313, 89.7845,
72.1830

■ 0.0000, 0.0000,
0.0000

■ 99.7191, 116.0688,
95.7789

127.3135,

147.0391, 124.0268

159.5796,
183.0798, 157.3451

■ 11.8014, 15.2003,
9.3331

■ 11.8014, 15.2003,
9.3331

■ 10.7144, 14.6836,
7.3316

■ 13.0406, 15.7879,
11.7237

■ 9.7721, 14.2330,
5.6977

■ 14.4366, 16.4471,
14.5215

■ 8.9682, 13.8462,
4.4092


■ 15.9954, 17.1810,
17.7447


■ 8.2953, 13.5201,
3.4413


■ 17.7223, 17.9919,
21.4099


■ 7.7452, 13.2509,
2.7655


■ 19.6223, 18.8821,
25.5330


 7.3077, 13.0342,
2.3432

 21.7001, 19.8537,
30.1291

 7.0697, 12.9162,
2.1205

 23.9605, 20.9088,
35.2124

 26.4077, 22.0493,
40.7969

 29.0462, 23.2773,
46.8956

Harmonies

Analogous

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



13.5268, 15.2003, 7.4957



11.8014, 15.2003, 9.3331



10.8428, 15.2003, 13.3544

Triad

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



11.8014, 15.2003, 9.3331



13.2835, 15.2003, 30.6555



18.8554, 15.2003, 13.9996

Complementary

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



11.8014, 15.2003, 9.3331



11.4004, 9.4527, 17.7476

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.



18.7737, 15.2003, 20.2198



11.8014, 15.2003, 9.3331



15.4089, 15.2003, 30.9526

Square

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



11.8014, 15.2003, 9.3331



11.6385, 15.2003, 26.0362



17.4621, 15.2003, 26.7685



17.6754, 15.2003, 9.7040

Rectangle

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



11.8014, 15.2003, 9.3331



10.7023, 15.2003, 17.2121



17.4621, 15.2003, 26.7685



18.9778, 15.2003, 15.9062

Sweetspot

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



11.8018, 15.2010, 9.3334



26.2661, 29.3293, 27.3482



13.3929, 13.9500, 9.0081



6.1950, 6.9634, 6.3782



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.8018, 15.2010, 9.3334



19.3065, 26.0354, 13.7410



10.8871, 14.7016, 10.5493



3.7450, 4.1520, 3.9463



7.9151, 14.4847, 2.3787



37.7475, 70.1613, 11.5530

Inverse Universe

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



11.4004, 9.4527, 17.7476



18.4865, 14.3514, 30.8403



12.6443, 10.1361, 15.9003



3.7137, 3.6997, 4.6086



6.9831, 3.1912, 18.7905



33.0935, 15.0688, 91.5246

Previews

White Background



This preview shows how the XYZ color 11.8014, 15.2003, 9.3331 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 11.8014, 15.2003, 9.3331 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 11.8014, 15.2003, 9.3331

Background



This preview shows how black text looks on a background with the XYZ color 11.8014, 15.2003, 9.3331.



This preview shows how white text looks on a background with the XYZ color 11.8014, 15.2003,

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

11.8014, 15.2003, 9.3331

Protanopia

13.9347, 15.0014, 8.6397

Deuteranopia

15.3004, 15.0690, 9.6916



Tritanopia

14.0044, 15.2663, 19.9779

Trichromacy



Original Color

11.8014, 15.2003, 9.3331

Protanomaly

13.0178, 15.0027, 8.8663

Deuteranomaly

13.7133, 14.8670, 9.5440

Tritanomaly

13.0199, 15.1894, 15.3423

Monochromacy



Original Color

11.8014, 15.2003, 9.3331

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

12.5285, 14.1859, 12.6675

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8014, 15.2003, 9.3331 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(90, 116, 77)` looks like.

```
.text, #text, p{  
    color:rgb(90, 116, 77)  
}
```

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(90, 116, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 116, 77) }
```

Border

The CSS property to change the border of an element to XYZ 11.8014, 15.2003, 9.3331 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(90, 116, 77) }
```


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

```
.border{ border-color:rgb(90, 116, 77) }
```

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

Here you see how a box with a 4 pixel rgb(90, 116, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 116, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 116, 77);  
box-shadow:4px 4px 4px 4px rgb(90, 116,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8014, 15.2003, 9.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 116, 77) }
```

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

```
.background{ background-color: rgb(90, 116,  
77) }
```

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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