

Converting Colors

XYZ(18.5756, 15.4711, 11.6709)

Have a look what the booklet for
XYZ(18.5756, 15.4711, 11.6709)
contains.

XYZ(18.5153, 15.4066, 11.6708)	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(18.5153, 15.4066,
11.6708)**

Conversions

Conversions Part 1

Format	Color
Hex	965F5A
RGB	150, 95, 90
RGB Percent	59%, 37%, 35%
CMY	0.4118, 0.6274, 0.6471
CMYK	0.00, 0.37, 0.40, 0.41
HSL	5°, 25%, 47%
HSV	5°, 40%, 59%
XYZ	18.5153, 15.4066, 11.6708
YIQ	110.8750, 34.3850, 10.1050

Conversions

Conversions Part 2

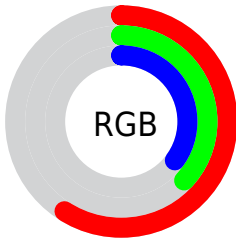
Format	Color
R_{YB}	150, 95, 90
Decimal	9854810
CIE Lab	46.19, 21.80, 12.21
CIE LCh	46, 24.990, 29.256
Yxy	15.4066, 0.4061, 0.3379
Android (android.graphics.Color)	4288044890 (0xFF965F5A)
YUV	110.8750, -10.2914, 34.3126
Hunter-Lab	39.2512, 15.5110, 9.8468

Details

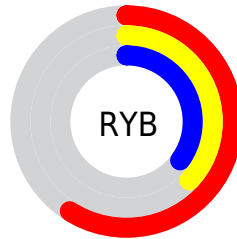
The XYZ color **18.5153, 15.4066, 11.6708** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8464, 24.6254, 32.5612**, and the grayscale version is **15.0954, 15.8816, 17.2950**.

A 20% lighter version of the original color is **40.4661, 35.5730, 29.5444**, and **6.4413, 4.8371, 2.9770** is the 20% darker color. If you saturate the color by 10%, you get **16.8091, 12.9148, 8.2637**, and if you desaturate by 10%, it is **20.5698, 18.3886, 15.8301**.

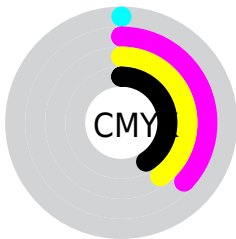
Distribution



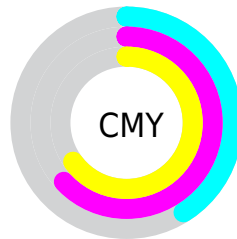
- Red (59%)
- Green (37%)
- Blue (35%)



- Red (59%)
- Yellow (37%)
- Blue (35%)



- Cyan (0%)
- Magenta (37%)
- Yellow (40%)
- Black (41%)



- Cyan (41%)
- Magenta (63%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5153, 15.4066, 11.6708 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 18.5153, 15.4066, 11.6708 by changing the saturation by 10% instead.

■ 18.5153, 15.4066,
11.6708

■ 18.5153, 15.4066,
11.6708

236.7495,
225.8142, 213.1135

■ 11.4225, 9.1052,
6.4001

■ 40.4367, 35.5649,
29.5495

■ 6.4211, 4.8099,
3.0172

■ 55.9960, 50.1907,
42.9946

■ 3.1459, 2.1362,
1.1034

■ 75.1081, 68.3600,
60.0015

■ 1.2314, 0.6848,
0.0000

■ 98.1385, 90.4573,
80.9889

■ 0.1309, 0.0000,
0.0000

125.4525,
116.8670, 106.3753

■ 0.0000, 0.0000,
0.0000

157.4154,

147.9734, 136.5791

194.3927,
184.1611, 172.0190

■ 18.5153, 15.4066,
11.6708

■ 18.5153, 15.4066,
11.6708

■ 16.8091, 12.9148,
8.2637

■ 20.5698, 18.3886,
15.8301

■ 15.4306, 10.8850,
5.5628

■ 22.9892, 21.8829,
20.7817

■ 14.3592, 9.2892,
3.5189


■ 25.7905, 25.9126,
26.5643


■ 13.5710, 8.0958,
2.0757


■ 28.9892, 30.4990,
33.2135


■ 13.0390, 7.2688,
1.1678


■ 32.6000, 35.6621,
40.7630


 12.7154, 6.7595,
0.6346

 36.6368, 41.4211,
49.2445

 12.7153, 6.7594,
0.6345

 41.1130, 47.7941,
58.6885

 46.0412, 54.7986,
69.1238

 51.4337, 62.4511,
80.5781

Harmonies

Analogous

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



19.1325, 15.4066, 16.9279



18.5153, 15.4066, 11.6708



16.8386, 15.4066, 8.5785

Triad

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



18.5153, 15.4066, 11.6708



11.3979, 15.4066, 11.4650



14.5904, 15.4066, 31.4498

Complementary

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



18.5153, 15.4066, 11.6708



19.8464, 24.6254, 32.5612

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.



12.6480, 15.4066, 29.0109



18.5153, 15.4066, 11.6708



10.9181, 15.4066, 16.6234

Square

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



18.5153, 15.4066, 11.6708



12.7317, 15.4066, 8.4815



11.3530, 15.4066, 23.1855



16.7377, 15.4066, 29.2307

Rectangle

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



18.5153, 15.4066, 11.6708



15.4204, 15.4066, 7.6885



11.3530, 15.4066, 23.1855



13.8932, 15.4066, 31.1397

Sweetspot

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



18.5157, 15.4074, 11.6711



44.3488, 44.0551, 44.4666



21.3447, 15.8408, 28.7206



9.6999, 9.5787, 9.5890



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.5157, 15.4074, 11.6711



29.9538, 23.2160, 15.1569



21.7568, 21.8895, 12.7515



5.8374, 5.8885, 6.0694



10.5569, 5.6283, 0.5300



0.1369, 0.0843, 0.0091

Inverse Universe

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



19.8464, 24.6254, 32.5612



32.6249, 41.7758, 57.2653



15.8523, 16.6373, 31.2298



5.9232, 6.4804, 7.4084



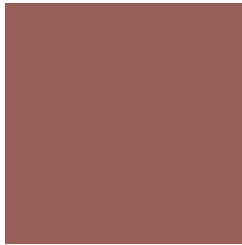
12.0545, 16.8037, 26.5391



0.1574, 0.2253, 0.3281

Previews

White Background



This preview shows how the XYZ color 18.5153, 15.4066, 11.6708 looks on a white background.

Color Contrast Check

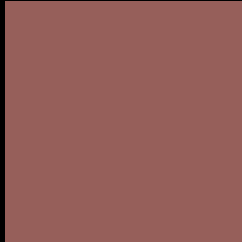
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5153, 15.4066, 11.6708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

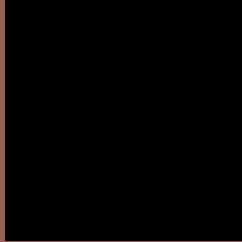
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5153, 15.4066, 11.6708

Background



This preview shows how black text looks on a background with the XYZ color 18.5153, 15.4066, 11.6708.

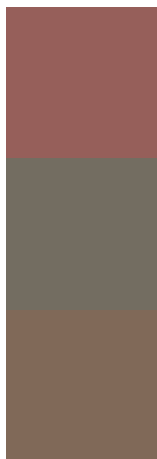


This preview shows how white text looks on a background with the XYZ color 18.5153, 15.4066,

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

18.5153, 15.4066, 11.6708

Protanopia

14.6965, 15.4452, 13.5159

Deuteranopia

15.7151, 15.3969, 11.3761



Tritanopia

18.9771, 15.3281, 14.0150

Trichromacy



Original Color

18.5153, 15.4066, 11.6708

Protanomaly

15.8728, 15.2980, 12.7059

Deuteranomaly

16.6102, 15.2629, 11.5218

Tritanomaly

18.8765, 15.4292, 13.0496

Monochromacy



Original Color

18.5153, 15.4066, 11.6708

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.9572, 15.4424, 14.9716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5153, 15.4066, 11.6708 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(150, 95, 90)` looks like.

```
.text, #text, p{  
    color:rgb(150, 95, 90)  
}
```

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(150, 95, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 95, 90) }
```

Border

The CSS property to change the border of an element to XYZ 18.5153, 15.4066, 11.6708 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(150, 95, 90) }
```


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

```
.border{ border-color:rgb(150, 95, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 95, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 95, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 95, 90);  
box-shadow:4px 4px 4px 4px rgb(150, 95,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5153, 15.4066, 11.6708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 95, 90) }
```

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

```
.background{ background-color: rgb(150, 95,  
90) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor