

Converting Colors

XYZ(18.2773, 12.4679, 5.0764)

Have a look what the booklet for
XYZ(18.2773, 12.4679, 5.0764)
contains.

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Color

**XYZ(18.3348, 12.5314,
5.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	A54537
RGB	165, 69, 55
RGB Percent	65%, 27%, 22%
CMY	0.3529, 0.7294, 0.7843
CMYK	0.00, 0.58, 0.67, 0.35
HSL	8°, 50%, 43%
HSV	8°, 67%, 65%
XYZ	18.3348, 12.5314, 5.0669
YIQ	96.1080, 61.7100, 15.9980

Conversions

Conversions Part 2

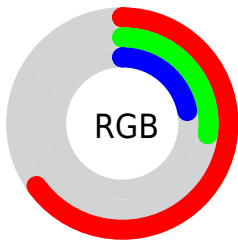
Format	Color
RYB	165, 71, 55
Decimal	10831159
CIELab	42.05, 38.69, 28.15
CIELCh	42, 47.846, 36.033
Yxy	12.5314, 0.5102, 0.3487
Android (android.graphics.Color)	4289021239 (0xFFA54537)
YUV	96.1080, -20.2662, 60.4183
Hunter-Lab	35.3997, 30.5021, 16.2934

Details

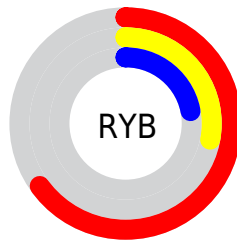
The XYZ color **18.3348, 12.5314, 5.0669** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **19.4329, 25.6605, 39.5260**, and the grayscale version is **11.1820, 11.7644, 12.8114**.

A 20% lighter version of the original color is **40.1661, 30.3998, 16.3211**, and **6.3151, 3.5229, 0.6950** is the 20% darker color. If you saturate the color by 10%, you get **17.2226, 10.8376, 3.0605**, and if you desaturate by 10%, it is **19.7948, 14.7094, 7.8418**.

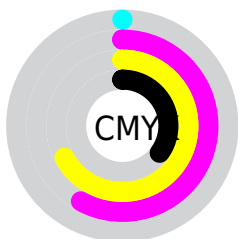
Distribution



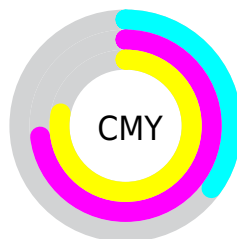
- Red (65%)
- Green (27%)
- Blue (22%)



- Red (65%)
- Yellow (28%)
- Blue (22%)



- Cyan (0%)
- Magenta (58%)
- Yellow (67%)
- Black (35%)





- Cyan (35%)
- Magenta (73%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.3348, 12.5314, 5.0669 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 18.3348, 12.5314, 5.0669 by changing the saturation by 10% instead.


 18.3348, 12.5314,
5.0669


 18.3348, 12.5314,
5.0669


235.7607,
207.8922, 159.4338


 11.2918, 7.1067,
2.2271


 40.1326, 30.4593,
16.4039


 6.3322, 3.5289,
0.6900


 55.6181, 43.7313,
25.7382


 3.0907, 1.4137,
0.0000

 74.6485, 60.3878,
38.0745

 1.2019, 0.2268,
0.0000

 97.5891, 80.8132,
53.8312

 0.1079, 0.0000,
0.0000

 124.8052,
105.3920, 73.4270

 0.0000, 0.0000,
0.0000

 156.6623,

134.5085, 97.2803

193.5257,
168.5471, 125.8097

■ 18.3348, 12.5314,
5.0669

■ 18.3348, 12.5314,
5.0669

■ 17.2226, 10.8376,
3.0605

■ 19.7948, 14.7094,
7.8418

■ 16.4276, 9.5888,
1.7441

■ 21.6279, 17.4027,
11.4518

■ 15.9123, 8.7417,
1.0066

■ 23.8579, 20.6423,
15.9574

■ 15.7853, 8.5359,
0.8156

■ 26.5064, 24.4561,
21.4129

■ 29.5935, 28.8702,
27.8685

■ 33.1380, 33.9089,
35.3707

■ 37.1575, 39.5953,
43.9633

■ 41.6687, 45.9512,
53.6874

■ 46.6876, 52.9976,
64.5821

Harmonies

Analogous

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



20.0798, 12.5314, 11.6893



18.3348, 12.5314, 5.0669



14.9074, 12.5314, 2.4369

Triad

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



18.3348, 12.5314, 5.0669



6.6944, 12.5314, 7.1393



12.6434, 12.5314, 43.8229

Complementary

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



18.3348, 12.5314, 5.0669



19.4329, 25.6605, 39.5260

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.



9.3452, 12.5314, 40.4752



18.3348, 12.5314, 5.0669



6.3260, 12.5314, 15.8065

Square

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



18.3348, 12.5314, 5.0669



8.3264, 12.5314, 3.1492



7.1956, 12.5314, 28.6968



16.3993, 12.5314, 36.3756

Rectangle

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



18.3348, 12.5314, 5.0669



12.3897, 12.5314, 1.9529



7.1956, 12.5314, 28.6968



11.4443, 12.5314, 43.9570

Sweetspot

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



18.3351, 12.5321, 5.0671



50.8605, 48.6512, 45.4182



22.5644, 13.0042, 31.0982



10.7980, 10.1770, 9.2579



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.3351, 12.5321, 5.0671



30.0937, 18.2408, 4.2049



23.2690, 22.3998, 6.7117



7.1431, 7.2246, 7.3981



11.9634, 6.5008, 0.6242



0.2713, 0.1765, 0.0198

Inverse Universe

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



19.4329, 25.6605, 39.5260



32.0866, 43.2431, 70.4079



12.6573, 12.1092, 37.2674



7.1988, 7.8567, 9.0401



12.7072, 17.1938, 29.5788



0.2871, 0.4014, 0.6282

Previews

White Background



This preview shows how the XYZ color 18.3348, 12.5314, 5.0669 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 18.3348, 12.5314, 5.0669 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 18.3348, 12.5314, 5.0669

Background



This preview shows how black text looks on a background with the XYZ color 18.3348, 12.5314, 5.0669.



This preview shows how white text looks on a background with the XYZ color 18.3348, 12.5314,

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

18.3348, 12.5314, 5.0669

Protanopia

11.7249, 12.6958, 6.9868

Deuteranopia

12.8363, 12.6257, 4.7781



Tritanopia

18.8704, 12.5762, 7.3941

Trichromacy



Original Color

18.3348, 12.5314, 5.0669

Protanomaly

13.4951, 12.1597, 6.1932

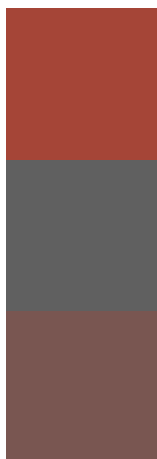
Deuteranomaly

14.4289, 12.3068, 4.8638

Tritanomaly

18.7471, 12.6229, 6.4494

Monochromacy



Original Color

18.3348, 12.5314, 5.0669

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

12.6981, 11.3146, 9.2993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3348, 12.5314, 5.0669 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(165, 69, 55)` looks like.

```
.text, #text, p{  
  color:rgb(165, 69, 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(165, 69, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 69, 55) }
```

Border

The CSS property to change the border of an element to XYZ 18.3348, 12.5314, 5.0669 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(165, 69, 55) }
```


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

```
.border{ border-color:rgb(165, 69, 55) }
```

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

Here you see how a box with a 4 pixel rgb(165, 69, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 69, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 69, 55);  
box-shadow:4px 4px 4px 4px rgb(165, 69,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3348, 12.5314, 5.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 69, 55) }
```

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

```
.background{ background-color: rgb(165, 69,  
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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