

Converting Colors

XYZ(18.5979, 14.9392, 5.6546)

Have a look what the booklet for
XYZ(18.5979, 14.9392, 5.6546)
contains.

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Color

**XYZ(18.6680, 14.9688,
5.6467)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5A38
RGB	159, 90, 56
RGB Percent	62%, 35%, 22%
CMY	0.3765, 0.6470, 0.7804
CMYK	0.00, 0.43, 0.65, 0.38
HSL	20°, 48%, 42%
HSV	20°, 65%, 62%
XYZ	18.6680, 14.9688, 5.6467
YIQ	106.7550, 52.0380, 4.0540

Conversions

Conversions Part 2

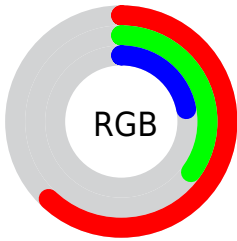
Format	Color
R_{YB}	159, 107, 56
Decimal	10443320
CIE Lab	45.59, 25.16, 31.61
CIE LCh	46, 40.400, 51.480
Yxy	14.9688, 0.4752, 0.3810
Android (android.graphics.Color)	4288633400 (0xFF9F5A38)
YUV	106.7550, -25.0222, 45.8189
Hunter-Lab	38.6895, 18.4210, 18.4294

Details

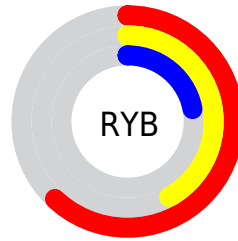
The XYZ color **18.6680, 14.9688, 5.6467** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.2218, 18.0099, 35.4745**, and the grayscale version is **13.9647, 14.6919, 15.9995**.

A 20% lighter version of the original color is **40.6388, 34.8009, 17.6721**, and **6.5178, 4.6355, 0.8678** is the 20% darker color. If you saturate the color by 10%, you get **17.5043, 13.1680, 3.6356**, and if you desaturate by 10%, it is **20.0847, 17.0781, 8.3517**.

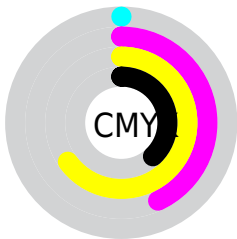
Distribution



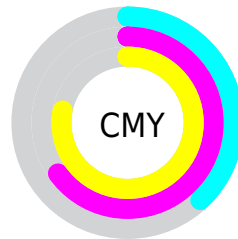
- Red (62%)
- Green (35%)
- Blue (22%)



- Red (62%)
- Yellow (42%)
- Blue (22%)



- Cyan (0%)
- Magenta (43%)
- Yellow (65%)
- Black (38%)





- Cyan (38%)
- Magenta (65%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6680, 14.9688, 5.6467 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 18.6680, 14.9688, 5.6467 by changing the saturation by 10% instead.


 18.6680, 14.9688,
5.6467

 18.6680, 14.9688,
5.6467


237.5832,
223.1773, 165.0703


 11.5332, 8.7975,
2.5662


 40.6936, 34.7984,
17.6579


 6.4966, 4.6093,
0.8749


 56.3150, 49.2256,
27.4256

 3.1928, 2.0199,
0.0000


 75.4961, 67.1734,
40.2595

 1.2565, 0.6190,
0.0000

 98.6022, 89.0264,
56.5781

 0.1503, 0.0000,
0.0000

 125.9986,
115.1688, 76.8000

 0.0000, 0.0000,
0.0000

 158.0506,

145.9852, 101.3436

195.1237,
181.8599, 130.6275

■ 18.6680, 14.9688,
5.6467

■ 18.6680, 14.9688,
5.6467

■ 17.5043, 13.1680,
3.6356

■ 20.0847, 17.0781,
8.3517

■ 16.5748, 11.6575,
2.2517

■ 21.7691, 19.5080,
11.8074

■ 15.8591, 10.4205,
1.4139

■ 23.7357, 22.2728,
16.0652

■ 15.5480, 9.8710,
1.0858

■ 25.9978, 25.3851,
21.1720

■ 28.5677, 28.8569,
27.1711

■ 31.4570, 32.6994,
34.1026

■ 34.6766, 36.9237,
42.0043

■ 38.2370, 41.5400,
50.9118

■ 42.1480, 46.5583,
60.8590

Harmonies

Analogous

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



21.1678, 14.9688, 10.3916



18.6680, 14.9688, 5.6467



15.2115, 14.9688, 3.9554

Triad

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



18.6680, 14.9688, 5.6467



8.7221, 14.9688, 13.6951



16.7409, 14.9688, 40.4595

Complementary

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



18.6680, 14.9688, 5.6467



15.2218, 18.0099, 35.4745

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.



13.2867, 14.9688, 42.4849



18.6680, 14.9688, 5.6467



8.9988, 14.9688, 24.1032

Square

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



18.6680, 14.9688, 5.6467



9.7266, 14.9688, 7.2416



10.5535, 14.9688, 35.6145



19.9383, 14.9688, 30.8450

Rectangle

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



18.6680, 14.9688, 5.6467



12.9734, 14.9688, 4.0207



10.5535, 14.9688, 35.6145



15.5597, 14.9688, 42.1695

Sweetspot

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



18.6684, 14.9696, 5.6470



48.9841, 48.7503, 43.5355



19.5028, 11.7155, 21.1019



10.7658, 10.6150, 9.1688



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6684, 14.9696, 5.6470



30.5156, 22.2473, 5.2132



24.4068, 26.4465, 7.5598



6.8030, 6.9861, 6.9756



12.3154, 7.8664, 0.8693



0.2568, 0.2137, 0.0277

Inverse Universe

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



15.2218, 18.0099, 35.4745



23.7596, 27.9517, 62.8864



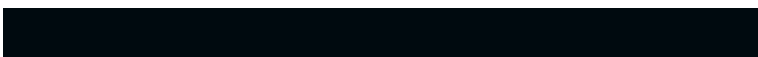
10.3971, 8.3604, 33.8663



6.6372, 7.1401, 8.4350



9.0943, 10.2801, 27.4122



0.1996, 0.2578, 0.5025

Previews

White Background



This preview shows how the XYZ color 18.6680, 14.9688, 5.6467 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 18.6680, 14.9688, 5.6467 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 18.6680, 14.9688, 5.6467

Background



This preview shows how black text looks on a background with the XYZ color 18.6680, 14.9688, 5.6467.



This preview shows how white text looks on a background with the XYZ color 18.6680, 14.9688,

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

18.6680, 14.9688, 5.6467

Protanopia

13.9459, 15.2070, 6.7576

Deuteranopia

15.3244, 15.0259, 5.4608



Tritanopia

19.9575, 15.0054, 11.9697

Trichromacy



Original Color

18.6680, 14.9688, 5.6467

Protanomaly

15.3985, 14.8973, 6.3388

Deuteranomaly

16.3612, 14.8413, 5.4924

Tritanomaly

19.3167, 14.8545, 9.2462

Monochromacy



Original Color

18.6680, 14.9688, 5.6467

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0193, 14.4476, 11.2296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6680, 14.9688, 5.6467 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(159, 90, 56)` looks like.

```
.text, #text, p{  
    color:rgb(159, 90, 56)  
}
```

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(159, 90, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 90, 56) }
```

Border

The CSS property to change the border of an element to XYZ 18.6680, 14.9688, 5.6467 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(159, 90, 56) }
```


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

```
.border{ border-color:rgb(159, 90, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 90, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 90, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 90, 56);  
box-shadow:4px 4px 4px 4px rgb(159, 90,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6680, 14.9688, 5.6467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 90, 56) }
```

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

```
.background{ background-color: rgb(159, 90,  
56) }
```

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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