

Converting Colors

XYZ(18.5468, 15.8009, 5.1750)

Have a look what the booklet for
XYZ(18.5468, 15.8009, 5.1750)
contains.

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Color

**XYZ(18.5825, 15.8563,
5.2131)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6133
RGB	156, 97, 51
RGB Percent	61%, 38%, 20%
CMY	0.3882, 0.6196, 0.8000
CMYK	0.00, 0.38, 0.67, 0.39
HSL	26°, 51%, 41%
HSV	26°, 67%, 61%
XYZ	18.5825, 15.8563, 5.2131
YIQ	109.3970, 49.9300, -1.7980

Conversions

Conversions Part 2

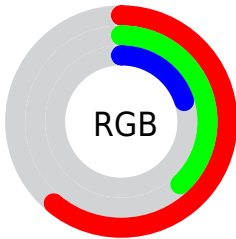
Format	Color
R _Y B	156, 133, 51
Decimal	10248499
CIE Lab	46.79, 19.57, 35.63
CIE LCh	47, 40.648, 61.221
Yxy	15.8563, 0.4686, 0.3999
Android (android.graphics.Color)	4288438579 (0xFF9C6133)
YUV	109.3970, -28.7897, 40.8708
Hunter-Lab	39.8200, 13.6144, 20.1119

Details

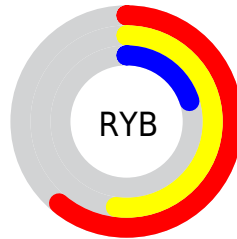
The XYZ color **18.5825, 15.8563, 5.2131** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.9415, 14.2551, 33.5217**, and the grayscale version is **14.7185, 15.4850, 16.8632**.

A 20% lighter version of the original color is **40.5736, 36.3768, 16.6873**, and **6.4180, 4.9993, 0.7416** is the 20% darker color. If you saturate the color by 10%, you get **17.5290, 14.2104, 3.4405**, and if you desaturate by 10%, it is **19.8417, 17.7290, 7.6239**.

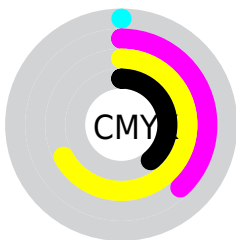
Distribution



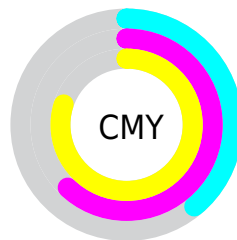
- Red (61%)
- Green (38%)
- Blue (20%)



- Red (61%)
- Yellow (52%)
- Blue (20%)



- Cyan (0%)
- Magenta (38%)
- Yellow (67%)
- Black (39%)



- Cyan (39%)
- Magenta (62%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5825, 15.8563, 5.2131 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 18.5825, 15.8563, 5.2131 by changing the saturation by 10% instead.

■ 18.5825, 15.8563,
5.2131

■ 18.5825, 15.8563,
5.2131

237.1167,
228.4923, 160.8815

■ 11.4712, 9.4225,
2.3119

■ 40.5498, 36.3486,
16.7229

■ 6.4543, 5.0178,
0.7379

■ 56.1365, 51.1758,
26.1685

■ 3.1665, 2.2577,
0.0000

■ 75.2790, 69.5697,
38.6328

■ 1.2424, 0.7512,
0.0000

■ 98.3427, 91.9146,
54.5341

■ 0.1395, 0.0000,
0.0000

■ 125.6930,
118.5949, 74.2911

■ 0.0000, 0.0000,
0.0000

■ 157.6952,

149.9951, 98.3223

194.7147,
186.4994, 127.0463

■ 18.5825, 15.8563,
5.2131

■ 18.5825, 15.8563,
5.2131

■ 17.5290, 14.2104,
3.4405

■ 19.8417, 17.7290,
7.6239

■ 16.6650, 12.7783,
2.2407

■ 21.3186, 19.8357,
10.7279

■ 15.9680, 11.5467,
1.5078

■ 23.0256, 22.1863,
14.5749

■ 15.7985, 11.2444,
1.3377

■ 24.9735, 24.7893,
19.2099

■ 27.1725, 27.6525,
24.6745

■ 29.6321, 30.7835,
31.0070

■ 32.3613, 34.1897,
38.2435

■ 35.3686, 37.8778,
46.4180

■ 38.6621, 41.8547,
55.5627

Harmonies

Analogous

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



21.6564, 15.8563, 9.0186



18.5825, 15.8563, 5.2131



14.9267, 15.8563, 4.2066

Triad

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



18.5825, 15.8563, 5.2131



9.2500, 15.8563, 17.6825



18.8721, 15.8563, 39.8098

Complementary

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



18.5825, 15.8563, 5.2131



12.9415, 14.2551, 33.5217

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.



15.2161, 15.8563, 44.9226



18.5825, 15.8563, 5.2131



9.9775, 15.8563, 29.4353

Square

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



18.5825, 15.8563, 5.2131



9.8680, 15.8563, 9.4921



12.0322, 15.8563, 40.5373



21.8411, 15.8563, 28.4230

Rectangle

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



18.5825, 15.8563, 5.2131



12.7441, 15.8563, 4.7405



12.0322, 15.8563, 40.5373



17.6651, 15.8563, 42.4817

Sweetspot

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



18.5829, 15.8571, 5.2134



48.0699, 48.5675, 41.5853



17.7359, 10.5723, 16.0009



10.3474, 10.3878, 8.5775



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.5829, 15.8571, 5.2134



30.9657, 24.3855, 4.9735



25.0551, 28.8016, 7.3708



6.8602, 7.1004, 6.9946



13.0466, 9.3289, 1.1130



0.2747, 0.2496, 0.0337

Inverse Universe

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



12.9415, 14.2551, 33.5217



19.9242, 21.1812, 60.1650



8.8791, 6.1303, 32.1675



6.5783, 7.0224, 8.4154



7.8286, 7.7488, 26.9903



0.1817, 0.2220, 0.4965

Previews

White Background



This preview shows how the XYZ color 18.5825, 15.8563, 5.2131 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 18.5825, 15.8563, 5.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

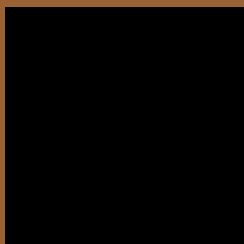
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5825, 15.8563, 5.2131

Background



This preview shows how black text looks on a background with the XYZ color 18.5825, 15.8563, 5.2131.



This preview shows how white text looks on a background with the XYZ color 18.5825, 15.8563,

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

18.5825, 15.8563, 5.2131

Protanopia

14.5666, 15.8654, 6.0360

Deuteranopia

16.1896, 15.9331, 5.1278



Tritanopia

20.3298, 15.9071, 13.5541

Trichromacy



Original Color

18.5825, 15.8563, 5.2131

Protanomaly

15.8116, 15.7253, 5.6920

Deuteranomaly

17.1030, 15.9505, 5.1949

Tritanomaly

19.5885, 15.8686, 9.8151

Monochromacy



Original Color

18.5825, 15.8563, 5.2131

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.4172, 15.2434, 11.3622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5825, 15.8563, 5.2131 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(156, 97, 51)` looks like.

```
.text, #text, p{  
    color:rgb(156, 97, 51)  
}
```

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(156, 97, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 97, 51) }
```

Border

The CSS property to change the border of an element to XYZ 18.5825, 15.8563, 5.2131 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(156, 97, 51) }
```


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

```
.border{ border-color:rgb(156, 97, 51) }
```

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

Here you see how a box with a 4 pixel rgb(156, 97, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 97, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 97, 51);  
box-shadow:4px 4px 4px 4px rgb(156, 97,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5825, 15.8563, 5.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 97, 51) }
```

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

```
.background{ background-color: rgb(156, 97,  
51) }
```

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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