

Converting Colors

XYZ(18.4320, 15.9027, 2.0981)

Have a look what the booklet for
XYZ(18.4320, 15.9027, 2.0981)
contains.

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Color

**XYZ(18.3752, 15.8185,
2.0848)**

Conversions

Conversions Part 1

Format	Color
Hex	9E6100
RGB	158, 97, 0
RGB Percent	62%, 38%, 0%
CMY	0.3804, 0.6196, 1.0000
CMYK	0.00, 0.39, 1.00, 0.38
HSL	37°, 100%, 31%
HSV	37°, 100%, 62%
XYZ	18.3752, 15.8185, 2.0848
YIQ	104.1810, 67.4930, -17.2350

Conversions

Conversions Part 2

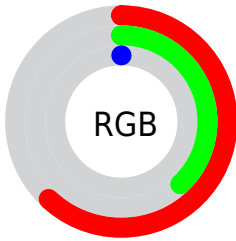
Format	Color
R_{YB}	99, 158, 0
Decimal	10379520
CIE _{Lab}	46.74, 18.70, 54.66
CIE _{LCh}	47, 57.770, 71.112
Yxy	15.8185, 0.5065, 0.4360
Android (android.graphics.Color)	4288569600 (0xFF9E6100)
YUV	104.1810, -51.3612, 47.1993
Hunter-Lab	39.7725, 12.8666, 24.7329

Details

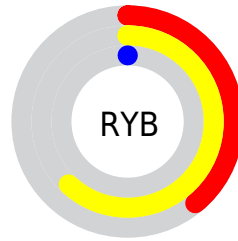
The XYZ color **18.3752, 15.8185, 2.0848** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8402, 5.8060, 33.0548**, and the grayscale version is **13.3280, 14.0221, 15.2700**.

A 20% lighter version of the original color is **40.3457, 36.4222, 9.3186**, and **6.5074, 5.0479, 0.6314** is the 20% darker color. If you saturate the color by 10%, you get **18.3753, 15.8189, 2.0849**, and if you desaturate by 10%, it is **19.0531, 17.0272, 2.7650**.

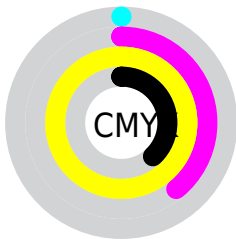
Distribution



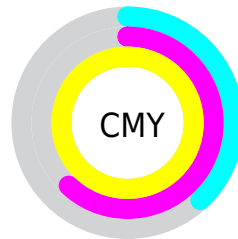
- Red (62%)
- Green (38%)
- Blue (0%)



- Red (39%)
- Yellow (62%)
- Blue (0%)



- Cyan (0%)
- Magenta (39%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (62%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3752, 15.8185, 2.0848 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 18.3752, 15.8185, 2.0848 by changing the saturation by 10% instead.

■ 18.3752, 15.8185,
2.0848

■ 18.3752, 15.8185,
2.0848

235.9823,
228.2683, 123.6799

■ 11.3210, 9.3958,
0.6067

■ 40.2007, 36.2828,
9.2714

■ 6.3521, 5.0002,
0.0000

■ 55.7028, 51.0932,
15.8593

■ 3.1030, 2.2474,
0.0000

■ 74.7515, 69.4684,
25.0017

■ 1.2085, 0.7457,
0.0000

■ 97.7122, 91.7926,
37.1171

■ 0.1130, 0.0000,
0.0000


■ 124.9503,
118.4503, 52.6241


■ 0.0000, 0.0000,
0.0000


■ 156.8311,


149.8259, 71.9413


 193.7200,
186.3038, 95.4870


 18.3752, 15.8185,
2.0848


 18.3752, 15.8185,
2.0848


 18.3753, 15.8189,
2.0849

 19.0531, 17.0272,
2.7650

 19.8462, 18.3521,
3.8348

 20.7871, 19.8084,
5.4602

 21.8898, 21.4032,
7.7102

 23.1663, 23.1426,
10.6440

■ 24.6273, 25.0322,
14.3137

■ 26.2825, 27.0773,
18.7662

■ 28.1408, 29.2826,
24.0447

■ 30.2105, 31.6526,
30.1890

Harmonies

Analogous

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



23.5265, 15.8185, 4.7043



18.3752, 15.8185, 2.0848



13.2534, 15.8185, 1.8566

Triad

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



18.3752, 15.8185, 2.0848



7.4232, 15.8185, 23.1084



22.3027, 15.8185, 47.5055

Complementary

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



18.3752, 15.8185, 2.0848



7.8402, 5.8060, 33.0548

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.



16.9696, 15.8185, 60.9747



18.3752, 15.8185, 2.0848



8.8808, 15.8185, 42.4880

Square

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



18.3752, 15.8185, 2.0848



7.6365, 15.8185, 9.7454



12.1263, 15.8185, 58.7521



26.1193, 15.8185, 27.7913

Rectangle

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



18.3752, 15.8185, 2.0848



10.5854, 15.8185, 2.7534



12.1263, 15.8185, 58.7521



20.5839, 15.8185, 53.3024

Sweetspot

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



18.3755, 15.8193, 2.0851



47.5423, 48.9460, 33.5624



15.0033, 7.6303, 5.4144



10.4413, 10.6959, 6.8106



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.



18.3755, 15.8193, 2.0851



33.1715, 28.3305, 3.7200



23.4164, 30.2219, 4.5994



6.9549, 7.2898, 7.0262



14.7559, 12.7474, 1.6828



0.3039, 0.3080, 0.0434

Inverse Universe

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



7.8402, 5.8060, 33.0548



14.0571, 10.1822, 59.9679



6.3819, 2.5771, 32.5084



6.4842, 6.8342, 8.3841



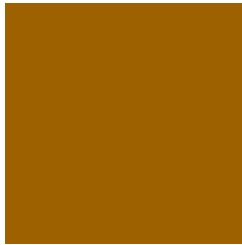
6.3151, 4.7217, 26.4858



0.1525, 0.1636, 0.4868

Previews

White Background



This preview shows how the XYZ color 18.3752, 15.8185, 2.0848 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 18.3752, 15.8185, 2.0848 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 18.3752, 15.8185, 2.0848

Background



This preview shows how black text looks on a background with the XYZ color 18.3752, 15.8185, 2.0848.



This preview shows how white text looks on a background with the XYZ color 18.3752, 15.8185,

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

18.3752, 15.8185, 2.0848

Protanopia

14.4647, 16.0505, 2.6835

Deuteranopia

16.1385, 15.9708, 2.2321



Tritanopia

20.7141, 15.8568, 13.2782

Trichromacy



Original Color

18.3752, 15.8185, 2.0848

Protanomaly

15.7828, 15.9362, 2.4739

Deuteranomaly

16.8829, 15.9035, 2.1799

Tritanomaly

19.4818, 15.7536, 6.5714

Monochromacy



Original Color

18.3752, 15.8185, 2.0848

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.9492, 13.9858, 7.1186

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3752, 15.8185, 2.0848 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(158, 97, 0)` looks like.

```
.text, #text, p{  
  color:rgb(158, 97, 0)  
}
```

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(158, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 97, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3752, 15.8185, 2.0848 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(158, 97, 0) }
```


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

```
.border{ border-color:rgb(158, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(158, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(158, 97, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3752, 15.8185, 2.0848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 97, 0) }
```

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

```
.background{ background-color: rgb(158, 97,  
0) }
```

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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