

Converting Colors

XYZ(18.3939, 16.5393, 2.3580)

Have a look what the booklet for
XYZ(18.3939, 16.5393, 2.3580)
contains.

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Color

**XYZ(18.2963, 16.4823,
2.3607)**

Conversions

Conversions Part 1

Format	Color
Hex	9B6605
RGB	155, 102, 5
RGB Percent	61%, 40%, 2%
CMY	0.3922, 0.6000, 0.9804
CMYK	0.00, 0.34, 0.97, 0.39
HSL	39°, 94%, 31%
HSV	39°, 97%, 61%
XYZ	18.2963, 16.4823, 2.3607
YIQ	106.7890, 62.7250, -18.9310

Conversions

Conversions Part 2

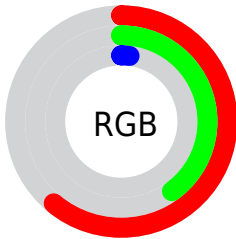
Format	Color
R_{YB}	87, 155, 5
Decimal	10184197
CIE _{Lab}	47.60, 14.56, 53.89
CIE _{LCh}	48, 55.820, 74.884
Yxy	16.4823, 0.4926, 0.4438
Android (android.graphics.Color)	4288374277 (0xFF9B6605)
YUV	106.7890, -50.1820, 42.2810
Hunter-Lab	40.5984, 9.3966, 24.9713

Details

The XYZ color **18.2963, 16.4823, 2.3607** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.4921, 5.4251, 31.6622**, and the grayscale version is **14.0397, 14.7709, 16.0855**.

A 20% lighter version of the original color is **40.0482, 37.4488, 9.9681**, and **6.4032, 5.3290, 0.6911** is the 20% darker color. If you saturate the color by 10%, you get **18.0972, 16.1281, 2.1592**, and if you desaturate by 10%, it is **18.9562, 17.6368, 3.0909**.

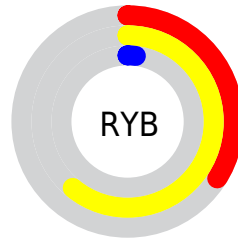
Distribution



Red (61%)

Green (40%)

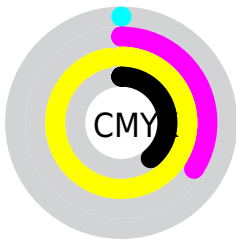
Blue (2%)



Red (34%)

Yellow (61%)

Blue (2%)

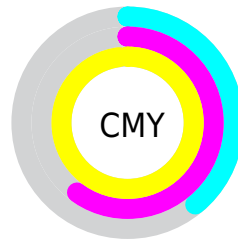


Cyan (0%)

Magenta (34%)

Yellow (97%)

Black (39%)



Cyan (39%)

Magenta (60%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2963, 16.4823, 2.3607 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 18.2963, 16.4823, 2.3607 by changing the saturation by 10% instead.

■ 18.2963, 16.4823,
2.3607

■ 18.2963, 16.4823,
2.3607

235.5493,
232.1711, 127.7478

■ 11.2639, 9.8661,
0.7649

■ 40.0677, 37.4335,
10.0053

■ 6.3132, 5.3103,
0.0000

■ 55.5374, 52.5373,
16.9047

■ 3.0789, 2.4304,
0.0000

■ 74.5503, 71.2390,
26.4135

■ 1.1956, 0.8415,
0.0000

■ 97.4717, 93.9231,
38.9503


■ 0.1029, 0.0000,
0.0000


■ 124.6669,
120.9740, 54.9336


■ 0.0000, 0.0000,
0.0000


■ 156.5013,


152.7760, 74.7819


 193.3403,
189.7136, 98.9138


 18.2963, 16.4823,
2.3607


 18.2963, 16.4823,
2.3607


 18.0972, 16.1281,
2.1592

 18.9562, 17.6368,
3.0909

 19.7363, 18.8967,
4.2768

 20.6558, 20.2713,
6.0149

 21.7271, 21.7666,
8.3675

 22.9610, 23.3879,
11.3882

■ 24.3671, 25.1401,
15.1251

■ 25.9543, 27.0276,
19.6215

■ 27.7307, 29.0545,
24.9175

■ 29.7038, 31.2248,
31.0502

Harmonies

Analogous

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



23.4715, 16.4823, 4.7219



18.2963, 16.4823, 2.3607



13.3342, 16.4823, 2.3533

Triad

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



18.2963, 16.4823, 2.3607



8.1181, 16.4823, 25.9465



23.4356, 16.4823, 45.2107

Complementary

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



18.2963, 16.4823, 2.3607



7.4921, 5.4251, 31.6622

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.



18.2547, 16.4823, 59.6005



18.2963, 16.4823, 2.3607



9.8167, 16.4823, 45.0652

Square

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



18.2963, 16.4823, 2.3607



8.1246, 16.4823, 11.7062



13.3006, 16.4823, 59.5364



26.8393, 16.4823, 26.0841

Rectangle

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



18.2963, 16.4823, 2.3607



10.8056, 16.4823, 3.5457



13.3006, 16.4823, 59.5364



21.8009, 16.4823, 51.1226

Sweetspot

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



18.2967, 16.4831, 2.3610



45.6538, 47.4343, 32.7478



14.3874, 7.4034, 4.9462



10.0764, 10.4310, 6.6830



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.



18.2967, 16.4831, 2.3610



32.2278, 28.5185, 3.8060



21.7403, 28.6042, 4.5191



6.5252, 6.8554, 6.5852



14.5727, 13.0278, 1.7466



0.2518, 0.2627, 0.0374

Inverse Universe

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



7.4921, 5.4251, 31.6622



12.8600, 8.7670, 56.5507



6.3717, 2.6820, 31.1918



6.0541, 6.3656, 7.8386



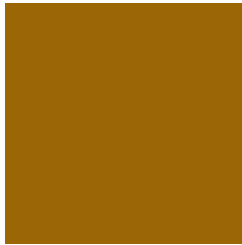
5.8736, 4.1439, 25.3980



0.1199, 0.1262, 0.3904

Previews

White Background



This preview shows how the XYZ color 18.2963, 16.4823, 2.3607 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 18.2963, 16.4823, 2.3607 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 18.2963, 16.4823, 2.3607

Background



This preview shows how black text looks on a background with the XYZ color 18.2963, 16.4823, 2.3607.



This preview shows how white text looks on a background with the XYZ color 18.2963, 16.4823,

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

18.2963, 16.4823, 2.3607

Protanopia

14.9858, 16.6504, 2.7718

Deuteranopia

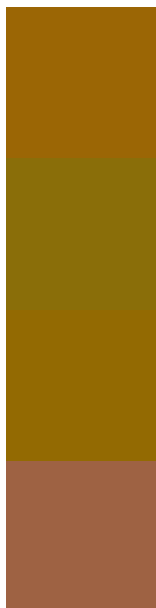
16.6903, 16.5648, 2.3176



Tritanopia

20.7886, 16.5147, 14.6623

Trichromacy



Original Color

18.2963, 16.4823, 2.3607

Protanomaly

16.1065, 16.5749, 2.6088

Deuteranomaly

17.1976, 16.5155, 2.3388

Tritanomaly

19.4814, 16.4097, 7.4508

Monochromacy



Original Color

18.2963, 16.4823, 2.3607

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4692, 14.8304, 7.8943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2963, 16.4823, 2.3607 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(155, 102, 5)` looks like.

```
.text, #text, p{  
    color:rgb(155, 102, 5)  
}
```

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(155, 102, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 102, 5) }
```

Border

The CSS property to change the border of an element to XYZ 18.2963, 16.4823, 2.3607 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(155, 102, 5) }
```


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

```
.border{ border-color:rgb(155, 102, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 102, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 102, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 102, 5);  
box-shadow:4px 4px 4px 4px rgb(155, 102,  
5) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2963, 16.4823, 2.3607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 102, 5) }
```

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

```
.background{ background-color: rgb(155,  
102, 5) }
```

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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