

Converting Colors

XYZ(17.9358, 15.3733, 0.0589)

Have a look what the booklet for
XYZ(17.9358, 15.3733, 0.0589)
contains.

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Color

**XYZ(18.3903, 15.5553,
2.0332)**

Conversions

Conversions Part 1

Format	Color
Hex	9F5F00
RGB	159, 95, 0
RGB Percent	62%, 37%, 0%
CMY	0.3765, 0.6274, 1.0000
CMYK	0.00, 0.40, 1.00, 0.38
HSL	36°, 100%, 31%
HSV	36°, 100%, 62%
XYZ	18.3903, 15.5553, 2.0332
YIQ	103.3060, 68.6390, -15.9770

Conversions

Conversions Part 2

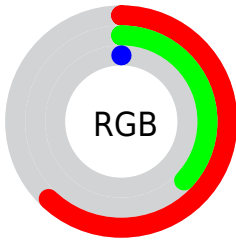
Format	Color
RYB	107, 159, 0
Decimal	10444544
CIELab	46.39, 20.29, 54.50
CIELCh	46, 58.155, 69.581
Yxy	15.5553, 0.5111, 0.4323
Android (android.graphics.Color)	4288634624 (0xFF9F5F00)
YUV	103.3060, -50.9299, 48.8436
Hunter-Lab	39.4402, 14.2112, 24.5517

Details

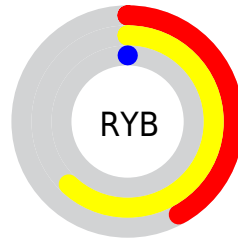
The XYZ color **18.3903, 15.5553, 2.0332** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.0915, 6.1700, 33.5652**, and the grayscale version is **13.0919, 13.7737, 14.9996**.

A 20% lighter version of the original color is **40.3079, 35.9441, 9.0884**, and **6.4238, 4.8806, 0.6035** is the 20% darker color. If you saturate the color by 10%, you get **18.3904, 15.5557, 2.0333**, and if you desaturate by 10%, it is **19.0838, 16.7941, 2.7222**.

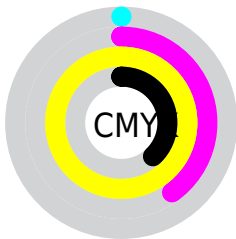
Distribution



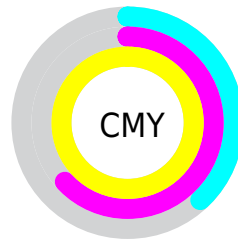
- Red (62%)
- Green (37%)
- Blue (0%)



- Red (42%)
- Yellow (62%)
- Blue (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (100%)
- Black (38%)



- Cyan (38%)
- Magenta (63%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3903, 15.5553, 2.0332 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 18.3903, 15.5553, 2.0332 by changing the saturation by 10% instead.

■ 18.3903, 15.5553,
2.0332

■ 18.3903, 15.5553,
2.0332

■ 236.0651,
226.7031, 122.8902

■ 11.3319, 9.2100,
0.5756

■ 40.2262, 35.8244,
9.1314

■ 6.3595, 4.8784,
0.0000

■ 55.7344, 50.5171,
15.6589

■ 3.1076, 2.1761,
0.0000

■ 74.7899, 68.7610,
24.7301

■ 1.2109, 0.7069,
0.0000

■ 97.7582, 90.9406,
36.7635


■ 0.1150, 0.0000,
0.0000


■ 125.0045,
117.4402, 52.1777


■ 0.0000, 0.0000,
0.0000


■ 156.8941,


148.6442, 71.3912


 193.7926,
184.9371, 94.8225


 18.3903, 15.5553,
2.0332


 18.3903, 15.5553,
2.0332


 18.3904, 15.5557,
2.0333

 19.0838, 16.7941,
2.7222

 19.8980, 18.1579,
3.8087

 20.8657, 19.6625,
5.4600

 22.0015, 21.3151,
7.7464

 23.3175, 23.1223,
10.7279

■ 24.8248, 25.0901,
14.4576

■ 26.5333, 27.2238,
18.9833

■ 28.4522, 29.5287,
24.3487

■ 30.5901, 32.0096,
30.5944

Harmonies

Analogous

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



23.4787, 15.5553, 4.7705



18.3903, 15.5553, 2.0332



13.2450, 15.5553, 1.7236

Triad

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



18.3903, 15.5553, 2.0332



7.1999, 15.5553, 21.9335



21.7778, 15.5553, 48.1589

Complementary

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



18.3903, 15.5553, 2.0332



8.0915, 6.1700, 33.5652

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.



16.4396, 15.5553, 61.0341



18.3903, 15.5553, 2.0332



8.5556, 15.5553, 41.1642

Square

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



18.3903, 15.5553, 2.0332



7.4941, 15.5553, 9.0469



11.6844, 15.5553, 57.9317



25.7197, 15.5553, 28.4430

Rectangle

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



18.3903, 15.5553, 2.0332



10.5370, 15.5553, 2.5187



11.6844, 15.5553, 57.9317



20.0438, 15.5553, 53.8225

Sweetspot

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



18.3906, 15.5561, 2.0335



47.3335, 48.5282, 33.4927



15.2889, 7.7673, 5.8868



10.3893, 10.5919, 6.7932



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.



18.3906, 15.5561, 2.0335



32.7410, 27.4695, 3.5765



24.2078, 30.8843, 4.6855



6.9460, 7.2720, 7.0232



14.5671, 12.3698, 1.6198



0.3011, 0.3025, 0.0425

Inverse Universe

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



8.0915, 6.1700, 33.5652



14.3112, 10.6904, 60.0526



6.4278, 2.5908, 32.9620



6.4929, 6.8516, 8.3870



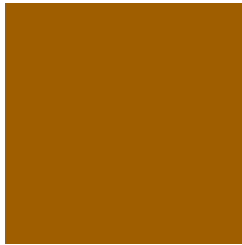
6.4296, 4.9507, 26.5239



0.1552, 0.1690, 0.4877

Previews

White Background



This preview shows how the XYZ color 18.3903, 15.5553, 2.0332 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 18.3903, 15.5553, 2.0332 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 18.3903, 15.5553, 2.0332

Background



This preview shows how black text looks on a background with the XYZ color 18.3903, 15.5553, 2.0332.



This preview shows how white text looks on a background with the XYZ color 18.3903, 15.5553,

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

18.3903, 15.5553, 2.0332

Protanopia

14.2082, 15.7554, 2.6401

Deuteranopia

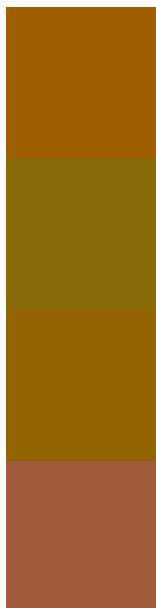
15.8668, 15.6786, 2.1900



Tritanopia

20.6595, 15.5922, 12.7472

Trichromacy



Original Color

18.3903, 15.5553, 2.0332

Protanomaly

15.4119, 15.4390, 2.3975

Deuteranomaly

16.6863, 15.5104, 2.1143

Tritanomaly

19.4570, 15.4898, 6.2393

Monochromacy



Original Color

18.3903, 15.5553, 2.0332

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.7089, 13.7186, 7.0797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3903, 15.5553, 2.0332 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, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 95, 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(159, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3903, 15.5553, 2.0332 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, 95, 0) }
```


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

```
.border{ border-color:rgb(159, 95, 0) }
```

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

Here you see how a box with a 4 pixel rgb(159, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3903, 15.5553, 2.0332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 95, 0) }
```

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

```
.background{ background-color: rgb(159, 95,  
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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