

Converting Colors

XYZ(19.2565, 16.0302, 2.0792)

Have a look what the booklet for
XYZ(19.2565, 16.0302, 2.0792)
contains.

XYZ(19.1965, 15.9709, 2.0709)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.1965, 15.9709,
2.0709)**

Conversions

Conversions Part 1

Format	Color
Hex	A35F00
RGB	163, 95, 0
RGB Percent	64%, 37%, 0%
CMY	0.3608, 0.6274, 1.0000
CMYK	0.00, 0.42, 1.00, 0.36
HSL	35°, 100%, 32%
HSV	35°, 100%, 64%
XYZ	19.1965, 15.9709, 2.0709
YIQ	104.5020, 71.0230, -15.1290

Conversions

Conversions Part 2

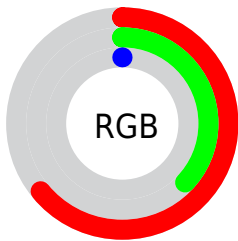
Format	Color
R_{YB}	117, 163, 0
Decimal	10706688
CIE Lab	46.94, 22.08, 55.12
CIE LCh	47, 59.383, 68.171
Yxy	15.9709, 0.5155, 0.4289
Android (android.graphics.Color)	4288896768 (0xFFA35F00)
YUV	104.5020, -51.5195, 51.3027
Hunter-Lab	39.9636, 15.8061, 24.9021

Details

The XYZ color **19.1965, 15.9709, 2.0709** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.6780, 6.7785, 35.5012**, and the grayscale version is **13.4144, 14.1130, 15.3690**.

A 20% lighter version of the original color is **41.5526, 36.5827, 9.2860**, and **6.8827, 5.1172, 0.6250** is the 20% darker color. If you saturate the color by 10%, you get **19.1967, 15.9714, 2.0710**, and if you desaturate by 10%, it is **19.9322, 17.2891, 2.7888**.

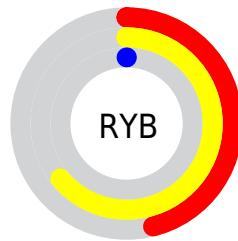
Distribution



Red (64%)

Green (37%)

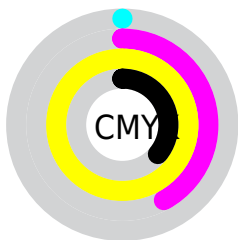
Blue (0%)



Red (46%)

Yellow (64%)

Blue (0%)

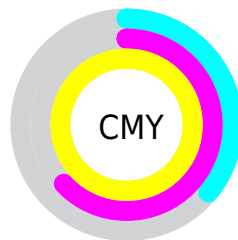


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (63%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1965, 15.9709, 2.0709 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 19.1965, 15.9709, 2.0709 by changing the saturation by 10% instead.

■ 19.1965, 15.9709,
2.0709

■ 19.1965, 15.9709,
2.0709

240.4488,
229.1699, 123.4682

■ 11.9172, 9.5036,
0.5984

■ 41.5802, 36.5477,
9.2337

■ 6.7591, 5.0711,
0.0000

■ 57.4153, 51.4259,
15.8055

■ 3.3569, 2.2890,
0.0000

■ 76.8330, 69.8766,
24.9288

■ 1.3452, 0.7679,
0.0000

■ 100.1987, 92.2840,
37.0222


■ 0.2167, 0.0000,
0.0000


■ 127.8778,
119.0327, 52.5044


■ 0.0000, 0.0000,
0.0000


■ 160.2356,


150.5070, 71.7937


 197.6375,
187.0913, 95.3088


 19.1965, 15.9709,
2.0709


 19.1965, 15.9709,
2.0709


 19.1967, 15.9714,
2.0710

 19.9322, 17.2891,
2.7888

 20.7997, 18.7471,
3.9322

 21.8334, 20.3612,
5.6745

 23.0488, 22.1396,
8.0906

 24.4590, 24.0895,
11.2446

■ 26.0760, 26.2174,
15.1929

■ 27.9103, 28.5295,
19.9863

■ 29.9718, 31.0314,
25.6715

■ 32.2698, 33.7285,
32.2915

Harmonies

Analogous

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



24.4430, 15.9709, 5.0404



19.1965, 15.9709, 2.0709



13.8067, 15.9709, 1.6740

Triad

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



19.1965, 15.9709, 2.0709



7.2961, 15.9709, 21.7709



22.2115, 15.9709, 50.8756

Complementary

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



19.1965, 15.9709, 2.0709



8.6780, 6.7785, 35.5012

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.



16.6412, 15.9709, 63.7212



19.1965, 15.9709, 2.0709



8.6142, 15.9709, 41.6732

Square

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



19.1965, 15.9709, 2.0709



7.6791, 15.9709, 8.7875



11.7666, 15.9709, 59.6351



26.4415, 15.9709, 30.3122

Rectangle

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



19.1965, 15.9709, 2.0709



10.9433, 15.9709, 2.4111



11.7666, 15.9709, 59.6351



20.3892, 15.9709, 56.6510

Sweetspot

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



19.1969, 15.9717, 2.0712



49.7911, 50.8540, 35.2729



16.2299, 8.2369, 6.6346



10.8780, 11.0409, 7.1141



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



19.1969, 15.9717, 2.0712



34.1780, 28.2000, 3.6418



26.0711, 32.8826, 4.9730



7.4006, 7.7395, 7.4839



14.9650, 12.5039, 1.6248



0.3596, 0.3530, 0.0492

Inverse Universe

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



8.6780, 6.7785, 35.5012



15.3533, 11.7633, 63.5175



6.7472, 2.7147, 34.8186



6.9319, 7.3228, 8.9512



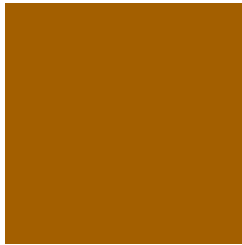
6.7872, 5.3537, 27.6054



0.1888, 0.2048, 0.5954

Previews

White Background



This preview shows how the XYZ color 19.1965, 15.9709, 2.0709 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 19.1965, 15.9709, 2.0709 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 19.1965, 15.9709, 2.0709

Background



This preview shows how black text looks on a background with the XYZ color 19.1965, 15.9709, 2.0709.



This preview shows how white text looks on a background with the XYZ color 19.1965, 15.9709,

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

19.1965, 15.9709, 2.0709

Protanopia

14.4710, 16.0530, 2.7166

Deuteranopia

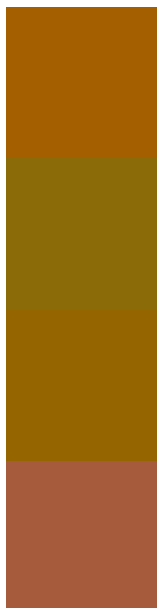
16.1385, 15.9708, 2.2321



Tritanopia

21.2812, 15.9127, 12.7763

Trichromacy



Original Color

19.1965, 15.9709, 2.0709

Protanomaly

15.8453, 15.8146, 2.4471

Deuteranomaly

17.1458, 15.8923, 2.1638

Tritanomaly

20.0737, 15.8077, 6.2682

Monochromacy



Original Color

19.1965, 15.9709, 2.0709

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

14.2710, 14.1482, 7.2889

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1965, 15.9709, 2.0709 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(163, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 95, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.1965, 15.9709, 2.0709 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(163, 95, 0) }
```


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

```
.border{ border-color:rgb(163, 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(163, 95, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 95, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.1965, 15.9709, 2.0709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 95, 0) }
```

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

```
.background{ background-color: rgb(163, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor