

Converting Colors

XYZ(19.5741, 17.8939, 0.2191)

Have a look what the booklet for
XYZ(19.5741, 17.8939, 0.2191)
contains.

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Color

**XYZ(19.9556, 18.0925,
2.4404)**

Conversions

Conversions Part 1

Format	Color
Hex	A16B00
RGB	161, 107, 0
RGB Percent	63%, 42%, 0%
CMY	0.3686, 0.5804, 1.0000
CMYK	0.00, 0.34, 1.00, 0.37
HSL	40°, 100%, 32%
HSV	40°, 100%, 63%
XYZ	19.9556, 18.0925, 2.4404
YIQ	110.9480, 66.5310, -21.8290

Conversions

Conversions Part 2

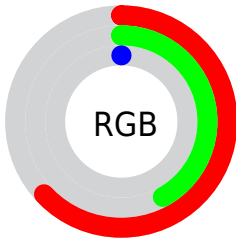
Format	Color
RYB	81, 161, 0
Decimal	10578688
CIELab	49.61, 14.38, 56.73
CIELCh	50, 58.523, 75.774
Yxy	18.0925, 0.4929, 0.4469
Android (android.graphics.Color)	4288768768 (0xFFA16B00)
YUV	110.9480, -54.6974, 43.8956
Hunter-Lab	42.5353, 9.3073, 26.3730

Details

The XYZ color **19.9556, 18.0925, 2.4404** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.7521, 5.2115, 34.3151**, and the grayscale version is **15.2352, 16.0286, 17.4552**.

A 20% lighter version of the original color is **42.9429, 40.1848, 10.1957**, and **7.3248, 6.1748, 0.8058** is the 20% darker color. If you saturate the color by 10%, you get **19.9558, 18.0930, 2.4405**, and if you desaturate by 10%, it is **20.6310, 19.2925, 3.1308**.

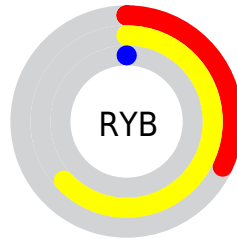
Distribution



Red (63%)

Green (42%)

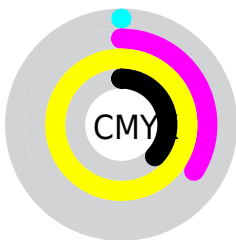
Blue (0%)



Red (32%)

Yellow (63%)

Blue (0%)

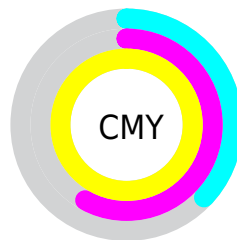


Cyan (0%)

Magenta (34%)

Yellow (100%)

Black (37%)



Cyan (37%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9556, 18.0925, 2.4404 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 19.9556, 18.0925, 2.4404 by changing the saturation by 10% instead.

■ 19.9556, 18.0925,
2.4404

■ 19.9556, 18.0925,
2.4404

244.5128,
241.3919, 128.8788

■ 12.4708, 11.0164,
0.8083

■ 42.8472, 40.1949,
10.2132

■ 7.1397, 6.0779,
0.0000

■ 58.9848, 55.9900,
17.1993

■ 3.5967, 2.8925,
0.0000

■ 78.7374, 75.4602,
26.8098

■ 1.4766, 1.0759,
0.0000

■ 102.4704, 98.9899,
39.4634


■ 0.3098, 0.0000,
0.0000


■ 130.5490,
126.9636, 55.5785


■ 0.0000, 0.0000,
0.0000


■ 163.3388,


159.7655, 75.5738


 201.2049,
197.7802, 99.8677


 19.9556, 18.0925,
2.4404


 19.9556, 18.0925,
2.4404


 19.9558, 18.0930,
2.4405

 20.6310, 19.2925,
3.1308

 21.4167, 20.5932,
4.2273

 22.3458, 22.0094,
5.8999

 23.4328, 23.5480,
8.2213

 24.6899, 25.2147,
11.2532

■ 26.1280, 27.0147,
15.0501

■ 27.7570, 28.9529,
19.6613

■ 29.5858, 31.0339,
25.1316

■ 31.6229, 33.2617,
31.5029

Harmonies

Analogous

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



25.7693, 18.0925, 4.9085



19.9556, 18.0925, 2.4404



14.4543, 18.0925, 2.4939

Triad

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



19.9556, 18.0925, 2.4404



8.8326, 18.0925, 29.2355



26.0375, 18.0925, 49.6468

Complementary

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



19.9556, 18.0925, 2.4404



7.7521, 5.2115, 34.3151

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.



20.2650, 18.0925, 66.2045



19.9556, 18.0925, 2.4404



10.7731, 18.0925, 50.7370

Square

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



19.9556, 18.0925, 2.4404



8.7848, 18.0925, 13.1008



14.7040, 18.0925, 66.6857



29.7599, 18.0925, 28.2090

Rectangle

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



19.9556, 18.0925, 2.4404



11.6798, 18.0925, 3.8486



14.7040, 18.0925, 66.6857



24.2231, 18.0925, 56.3758

Sweetspot

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



19.9560, 18.0934, 2.4407



49.5363, 51.6496, 34.7038



15.4203, 7.8661, 4.4924



10.6043, 11.0219, 6.8649



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.



19.9560, 18.0934, 2.4407



35.5514, 32.0271, 4.3081



23.0367, 30.7951, 4.7300



7.4484, 7.8351, 7.4998



15.9769, 14.5277, 1.9621



0.3765, 0.3868, 0.0548

Inverse Universe

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



7.7521, 5.2115, 34.3151



13.7192, 9.0047, 61.4015



6.8134, 2.7694, 33.8932



6.8856, 7.2301, 8.9357



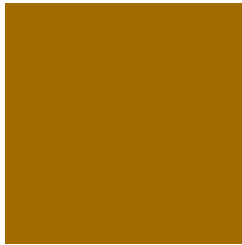
6.2256, 4.2307, 27.4183



0.1729, 0.1731, 0.5902

Previews

White Background



This preview shows how the XYZ color 19.9556, 18.0925, 2.4404 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 19.9556, 18.0925, 2.4404 looks on a black 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

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

XYZ 19.9556, 18.0925, 2.4404

Background



This preview shows how black text looks on a background with the XYZ color 19.9556, 18.0925, 2.4404.



This preview shows how white text looks on a background with the XYZ color 19.9556, 18.0925,

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

19.9556, 18.0925, 2.4404

Protanopia

16.4887, 18.2861, 2.9771

Deuteranopia

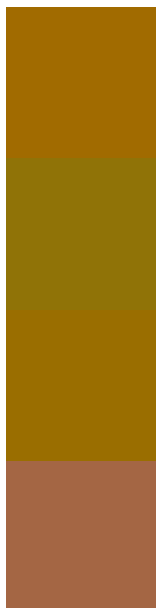
18.3718, 18.0724, 2.5200



Tritanopia

22.6327, 17.9845, 16.1884

Trichromacy



Original Color

19.9556, 18.0925, 2.4404

Protanomaly

17.6707, 18.2061, 2.7838

Deuteranomaly

18.9024, 18.0219, 2.4823

Tritanomaly

21.1046, 17.8126, 7.7947

Monochromacy



Original Color

19.9556, 18.0925, 2.4404

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7665, 16.2739, 8.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9556, 18.0925, 2.4404 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(161, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 107, 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(161, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.9556, 18.0925, 2.4404 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(161, 107, 0) }
```


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

```
.border{ border-color:rgb(161, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9556, 18.0925, 2.4404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 107, 0) }
```

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

```
.background{ background-color: rgb(161,  
107, 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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