

Converting Colors

XYZ(19.9789, 16.9230, 2.2135)

Have a look what the booklet for
XYZ(19.9789, 16.9230, 2.2135)
contains.

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Color

**XYZ(19.9789, 16.9230,
2.2135)**

Conversions

Conversions Part 1

Format	Color
Hex	A56300
RGB	165, 99, 0
RGB Percent	65%, 39%, 0%
CMY	0.3529, 0.6117, 1.0000
CMYK	0.00, 0.40, 1.00, 0.35
HSL	36°, 100%, 32%
HSV	36°, 100%, 65%
XYZ	19.9789, 16.9230, 2.2135
YIQ	107.4480, 71.1150, -16.7970

Conversions

Conversions Part 2

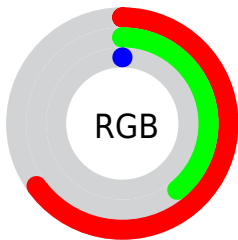
Format	Color
R _Y B	110, 165, 0
Decimal	10838784
CIE Lab	48.16, 20.73, 56.04
CIE LCh	48, 59.751, 69.703
Yxy	16.9230, 0.5108, 0.4326
Android (android.graphics.Color)	4289028864 (0xFFA56300)
YUV	107.4480, -52.9719, 50.4731
Hunter-Lab	41.1376, 14.6997, 25.6061

Details

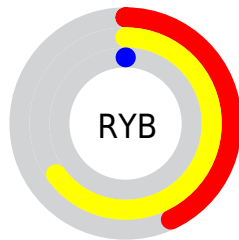
The XYZ color **19.9789, 16.9230, 2.2135** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.7399, 6.6132, 36.4129**, and the grayscale version is **14.2294, 14.9705, 16.3028**.

A 20% lighter version of the original color is **42.8272, 38.1680, 9.6674**, and **7.2914, 5.5818, 0.6931** is the 20% darker color. If you saturate the color by 10%, you get **19.9790, 16.9234, 2.2135**, and if you desaturate by 10%, it is **20.7277, 18.2650, 2.9433**.

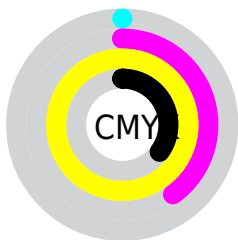
Distribution



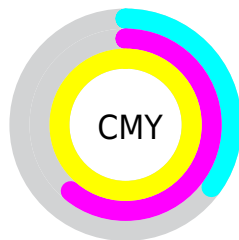
- Red (65%)
- Green (39%)
- Blue (0%)



- Red (43%)
- Yellow (65%)
- Blue (0%)



- Cyan (0%)
- Magenta (40%)
- Yellow (100%)
- Black (35%)



- Cyan (35%)
- Magenta (61%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9789, 16.9230, 2.2135 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 19.9789, 16.9230, 2.2135 by changing the saturation by 10% instead.

■ 19.9789, 16.9230,
2.2135

■ 19.9789, 16.9230,
2.2135

244.6366,
234.7283, 125.6086

■ 12.4879, 10.1796,
0.6821

■ 42.8860, 38.1933,
9.6167

■ 7.1514, 5.5182,
0.0000

■ 59.0328, 53.4891,
16.3522

■ 3.6041, 2.5544,
0.0000

■ 78.7956, 72.4044,
25.6684

■ 1.4807, 0.9038,
0.0000

■ 102.5397, 95.3236,
37.9839


■ 0.3127, 0.0000,
0.0000


■ 130.6305,
122.6313, 53.7170


■ 0.0000, 0.0000,
0.0000


■ 163.4334,


154.7117, 73.2865


 201.3136,
191.9492, 97.1109


 19.9789, 16.9230,
2.2135


 19.9789, 16.9230,
2.2135


 19.9790, 16.9234,
2.2135

 20.7277, 18.2650,
2.9433

 21.6083, 19.7426,
4.1111

 22.6556, 21.3724,
5.8933

 23.8853, 23.1624,
8.3671

 25.3110, 25.1197,
11.5986

■ 26.9446, 27.2508,
15.6458

■ 28.7971, 29.5616,
20.5610

■ 30.8785, 32.0579,
26.3923

■ 33.1980, 34.7447,
33.1842

Harmonies

Analogous

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



25.5127, 16.9230, 5.1771



19.9789, 16.9230, 2.2135



14.3909, 16.9230, 1.8840

Triad

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



19.9789, 16.9230, 2.2135



7.8417, 16.9230, 23.9307



23.7060, 16.9230, 52.2649

Complementary

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



19.9789, 16.9230, 2.2135



8.7399, 6.6132, 36.4129

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.



17.9067, 16.9230, 66.3051



19.9789, 16.9230, 2.2135



9.3234, 16.9230, 44.8372

Square

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



19.9789, 16.9230, 2.2135



8.1544, 16.9230, 9.8887



12.7327, 16.9230, 63.0110



27.9779, 16.9230, 30.8447

Rectangle

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



19.9789, 16.9230, 2.2135



11.4523, 16.9230, 2.7565



12.7327, 16.9230, 63.0110



21.8234, 16.9230, 58.4298

Sweetspot

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



19.9793, 16.9239, 2.2138



51.3797, 52.7055, 36.2940



16.5005, 8.3928, 5.9051



10.9348, 11.1547, 7.1330



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.



19.9793, 16.9239, 2.2138



35.5776, 29.9015, 3.8964



25.7585, 33.2527, 5.0610



7.4106, 7.7595, 7.4872



15.1642, 12.9024, 1.6912



0.3630, 0.3599, 0.0503

Inverse Universe

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



8.7399, 6.6132, 36.4129



15.4652, 11.4693, 65.1510



7.0140, 2.8314, 35.7739



6.9221, 7.3032, 8.9479



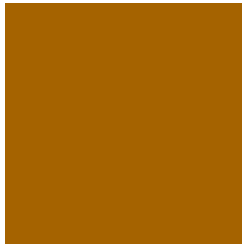
6.6579, 5.0952, 27.5623



0.1855, 0.1982, 0.5943

Previews

White Background



This preview shows how the XYZ color 19.9789, 16.9230, 2.2135 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 19.9789, 16.9230, 2.2135 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 19.9789, 16.9230, 2.2135

Background



This preview shows how black text looks on a background with the XYZ color 19.9789, 16.9230, 2.2135.



This preview shows how white text looks on a background with the XYZ color 19.9789, 16.9230,

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

19.9789, 16.9230, 2.2135

Protanopia

15.4030, 17.0338, 2.8239

Deuteranopia

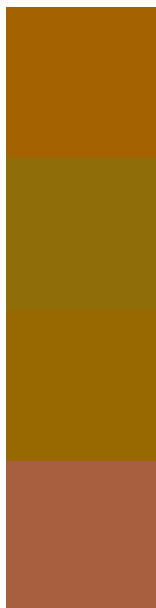
17.1457, 16.9570, 2.3694



Tritanopia

22.4415, 16.9902, 13.9010

Trichromacy



Original Color

19.9789, 16.9230, 2.2135

Protanomaly

16.8402, 16.7944, 2.5838

Deuteranomaly

18.0005, 16.7786, 2.2899

Tritanomaly

21.1379, 16.8681, 6.8444

Monochromacy



Original Color

19.9789, 16.9230, 2.2135

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.8958, 14.9072, 7.5611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9789, 16.9230, 2.2135 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(165, 99, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 99, 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(165, 99, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 99, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.9789, 16.9230, 2.2135 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(165, 99, 0) }
```


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

```
.border{ border-color:rgb(165, 99, 0) }
```

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

Here you see how a box with a 4 pixel rgb(165, 99, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 99, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 99, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 99, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.9789, 16.9230, 2.2135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 99, 0) }
```

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

```
.background{ background-color: rgb(165, 99,  
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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