

Converting Colors

XYZ(20.3755, 16.6776, 1.3013)

Have a look what the booklet for
XYZ(20.3755, 16.6776, 1.3013)
contains.

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Color

**XYZ(20.5451, 16.8008,
2.1600)**

Conversions

Conversions Part 1

Format	Color
Hex	A96000
RGB	169, 96, 0
RGB Percent	66%, 38%, 0%
CMY	0.3373, 0.6235, 1.0000
CMYK	0.00, 0.43, 1.00, 0.34
HSL	34°, 100%, 33%
HSV	34°, 100%, 66%
XYZ	20.5451, 16.8008, 2.1600
YIQ	106.8830, 74.3240, -14.3800

Conversions

Conversions Part 2

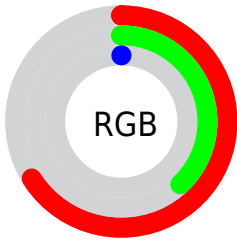
Format	Color
R_{YB}	129, 169, 0
Decimal	11100160
CIE Lab	48.01, 24.18, 56.22
CIE LCh	48, 61.195, 66.730
Yxy	16.8008, 0.5201, 0.4253
Android (android.graphics.Color)	4289290240 (0xFFA96000)
YUV	106.8830, -52.6933, 54.4766
Hunter-Lab	40.9888, 17.7405, 25.5677

Details

The XYZ color **20.5451, 16.8008, 2.1600** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **9.5439, 7.6294, 38.5055**, and the grayscale version is **14.0703, 14.8031, 16.1205**.

A 20% lighter version of the original color is **43.9092, 38.0274, 9.4406**, and **7.5287, 5.5116, 0.6670** is the 20% darker color. If you saturate the color by 10%, you get **20.5453, 16.8014, 2.1601**, and if you desaturate by 10%, it is **21.3432, 18.2364, 2.9215**.

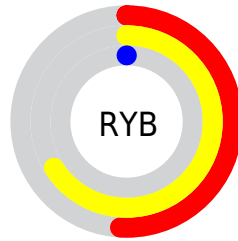
Distribution



Red (66%)

Green (38%)

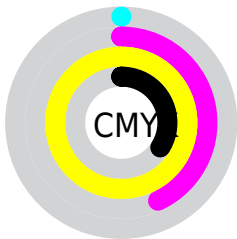
Blue (0%)



Red (51%)

Yellow (66%)

Blue (0%)

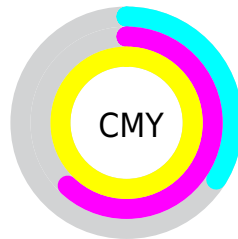


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (62%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5451, 16.8008, 2.1600 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 20.5451, 16.8008, 2.1600 by changing the saturation by 10% instead.

■ 20.5451, 16.8008,
2.1600

■ 20.5451, 16.8008,
2.1600

247.6287,
234.0218, 124.8138

■ 12.9025, 10.0926,
0.6511

■ 43.8262, 37.9830,
9.4738

■ 7.4379, 5.4604,
0.0000

■ 60.1954, 53.2257,
16.1485

■ 3.7862, 2.5198,
0.0000

■ 80.2042, 72.0820,
25.3931

■ 1.5819, 0.8865,
0.0000

■ 104.2178, 94.9364,
37.6261

■ 0.3806, 0.0000,
0.0000


■ 132.6017,
122.1731, 53.2662


■ 0.0000, 0.0000,
0.0000


■ 165.7213,


154.1767, 72.7318


 203.9418,
191.3315, 96.4415


 20.5451, 16.8008,
2.1600


 20.5451, 16.8008,
2.1600


 20.5453, 16.8014,
2.1601

 21.3432, 18.2364,
2.9215

 22.2894, 19.8321,
4.1518

 23.4203, 21.6057,
6.0338

 24.7529, 23.5664,
8.6498

 26.3018, 25.7223,
12.0700

■ 28.0802, 28.0811,
16.3561

■ 30.0998, 30.6495,
21.5638

■ 32.3717, 33.4341,
27.7441

■ 34.9059, 36.4410,
34.9443

Harmonies

Analogous

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



26.0885, 16.8008, 5.4620



20.5451, 16.8008, 2.1600



14.7555, 16.8008, 1.6593

Triad

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



20.5451, 16.8008, 2.1600



7.5699, 16.8008, 22.0964



23.2036, 16.8008, 55.1280

Complementary

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



20.5451, 16.8008, 2.1600



9.5439, 7.6294, 38.5055

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.



17.2466, 16.8008, 68.2131



20.5451, 16.8008, 2.1600



8.8767, 16.8008, 43.1953

Square

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



20.5451, 16.8008, 2.1600



8.0611, 16.8008, 8.7123



12.1279, 16.8008, 62.9085



27.8542, 16.8008, 33.1416

Rectangle

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



20.5451, 16.8008, 2.1600



11.6502, 16.8008, 2.3524



12.1279, 16.8008, 62.9085



21.2407, 16.8008, 61.1557

Sweetspot

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



20.5455, 16.8017, 2.1603



53.7011, 54.6342, 38.0734



17.5725, 8.9192, 7.1397



11.3773, 11.4957, 7.4428



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.5455, 16.8017, 2.1603



36.5840, 29.6672, 3.7982



28.2360, 35.6178, 5.3868



7.8714, 8.2229, 7.9616



15.3664, 12.6300, 1.6279



0.4232, 0.4060, 0.0561

Inverse Universe

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



9.5439, 7.6294, 38.5055



16.8929, 13.2647, 68.8951



7.3030, 2.9376, 37.7180



7.3883, 7.8136, 9.5371



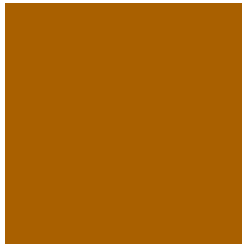
7.1642, 5.7885, 28.7152



0.2255, 0.2432, 0.7157

Previews

White Background



This preview shows how the XYZ color 20.5451, 16.8008, 2.1600 looks on a white background.

Color Contrast Check

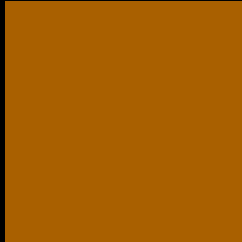
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5451, 16.8008, 2.1600 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 20.5451, 16.8008, 2.1600

Background



This preview shows how black text looks on a background with the XYZ color 20.5451, 16.8008, 2.1600.



This preview shows how white text looks on a background with the XYZ color 20.5451, 16.8008,

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

20.5451, 16.8008, 2.1600

Protanopia

15.2566, 16.9577, 2.8498

Deuteranopia

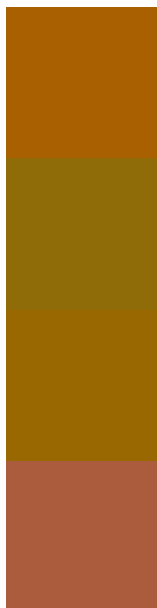
17.1457, 16.9570, 2.3694



Tritanopia

22.6970, 16.7599, 13.1051

Trichromacy



Original Color

20.5451, 16.8008, 2.1600

Protanomaly

16.9080, 16.6719, 2.5566

Deuteranomaly

18.2767, 16.7707, 2.2738

Tritanomaly

21.4640, 16.6491, 6.4972

Monochromacy



Original Color

20.5451, 16.8008, 2.1600

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.0996, 14.8637, 7.5420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5451, 16.8008, 2.1600 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(169, 96, 0)` looks like.

```
.text, #text, p{  
    color:rgb(169, 96, 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(169, 96, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 96, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.5451, 16.8008, 2.1600 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(169, 96, 0) }
```


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

```
.border{ border-color:rgb(169, 96, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 96, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 96, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 96, 0);  
box-shadow:4px 4px 4px 4px rgb(169, 96, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.5451, 16.8008, 2.1600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 96, 0) }
```

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

```
.background{ background-color: rgb(169, 96,  
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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