

Converting Colors

XYZ(20.6449, 19.5883, 1.6701)

Have a look what the booklet for
XYZ(20.6449, 19.5883, 1.6701)
contains.

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Color

**XYZ(20.9176, 19.7160,
2.7031)**

Conversions

Conversions Part 1

Format	Color
Hex	A27200
RGB	162, 114, 0
RGB Percent	64%, 45%, 0%
CMY	0.3647, 0.5529, 1.0000
CMYK	0.00, 0.30, 1.00, 0.36
HSL	42°, 100%, 32%
HSV	42°, 100%, 64%
XYZ	20.9176, 19.7160, 2.7031
YIQ	115.3560, 65.2020, -25.2780

Conversions

Conversions Part 2

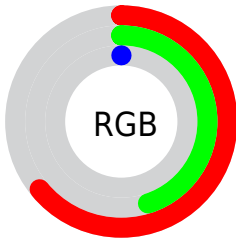
Format	Color
RYB	68, 162, 0
Decimal	10646016
CIELab	51.51, 10.86, 58.06
CIElCh	52, 59.068, 79.401
Yxy	19.7160, 0.4827, 0.4549
Android (android.graphics.Color)	4288836096 (0xFFA27200)
YUV	115.3560, -56.8705, 40.9068
Hunter-Lab	44.4027, 6.3846, 27.4725

Details

The XYZ color **20.9176, 19.7160, 2.7031** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.5787, 4.7227, 34.6943**, and the grayscale version is **16.5584, 17.4207, 18.9712**.

A 20% lighter version of the original color is **44.4091, 43.0262, 10.9653**, and **7.7739, 6.8997, 0.9220** is the 20% darker color. If you saturate the color by 10%, you get **20.9178, 19.7165, 2.7032**, and if you desaturate by 10%, it is **21.5688, 20.8665, 3.3892**.

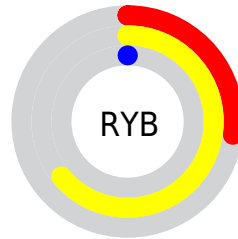
Distribution



Red (64%)

Green (45%)

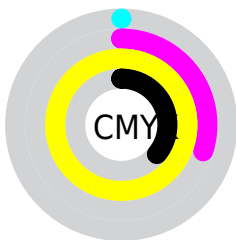
Blue (0%)



Red (27%)

Yellow (64%)

Blue (0%)

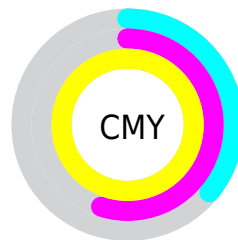


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9176, 19.7160, 2.7031 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 20.9176, 19.7160, 2.7031 by changing the saturation by 10% instead.

■ 20.9176, 19.7160,
2.7031

■ 20.9176, 19.7160,
2.7031

249.5803,
250.3735, 132.4844

■ 13.1759, 12.1888,
0.9450

■ 44.4427, 42.9405,
10.8866

■ 7.6276, 6.8724,
0.0000

■ 60.9567, 59.4066,
18.1492

■ 3.9074, 3.3824,
0.0000

■ 81.1257, 79.6211,
28.0837

■ 1.6499, 1.3345,
0.0000

■ 105.3148,
103.9684, 41.1087


■ 0.4246, 0.1677,
0.0000


■ 133.8894,
132.8329, 57.6427


■ 0.0000, 0.0000,
0.0000


■ 167.2150,


166.5990, 78.1044


 205.6568,
205.6510, 102.9121


 20.9176, 19.7160,
2.7031


 20.9176, 19.7160,
2.7031


 20.9178, 19.7165,
2.7032

 21.5688, 20.8665,
3.3892

 22.3246, 22.1041,
4.4856

 23.2182, 23.4436,
6.1638

 24.2641, 24.8915,
8.4975

 25.4746, 26.4533,
11.5493

■ 26.8604, 28.1340,
15.3746

■ 28.4314, 29.9381,
20.0233

■ 30.1967, 31.8697,
25.5409

■ 32.1646, 33.9329,
31.9699

Harmonies

Analogous

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



27.1892, 19.7160, 4.9864



20.9176, 19.7160, 2.7031



15.1988, 19.7160, 3.0425

Triad

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



20.9176, 19.7160, 2.7031



9.9056, 19.7160, 34.2558



28.8075, 19.7160, 50.5299

Complementary

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



20.9176, 19.7160, 2.7031



7.5787, 4.7227, 34.6943

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.



22.7913, 19.7160, 69.3987



20.9176, 19.7160, 2.7031



12.2514, 19.7160, 57.0692

Square

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



20.9176, 19.7160, 2.7031



9.6122, 19.7160, 16.0001



16.7180, 19.7160, 72.2759



32.3423, 19.7160, 28.0566

Rectangle

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



20.9176, 19.7160, 2.7031



12.3895, 19.7160, 4.8224



16.7180, 19.7160, 72.2759



26.9558, 19.7160, 57.9158

Sweetspot

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



20.9180, 19.7170, 2.7035



51.4423, 54.1564, 35.8233



15.4463, 7.8999, 3.5729



11.2889, 11.8629, 7.2511



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.



20.9180, 19.7170, 2.7035



37.7889, 35.4218, 4.8454



22.0651, 30.5548, 4.7349



7.4714, 7.8812, 7.5075



16.5183, 15.6106, 2.1425



0.3850, 0.4039, 0.0577

Inverse Universe

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



7.5787, 4.7227, 34.6943



13.6009, 8.2585, 62.9333



7.1300, 2.9224, 34.3704



6.8636, 7.1861, 8.9284



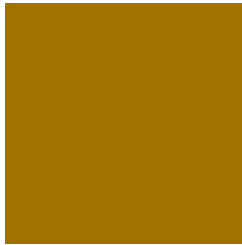
6.0041, 3.7876, 27.3444



0.1654, 0.1580, 0.5876

Previews

White Background



This preview shows how the XYZ color 20.9176, 19.7160, 2.7031 looks on a white 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

Black Background



This preview shows how the XYZ color 20.9176, 19.7160, 2.7031 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 20.9176, 19.7160, 2.7031

Background



This preview shows how black text looks on a background with the XYZ color 20.9176, 19.7160, 2.7031.



This preview shows how white text looks on a background with the XYZ color 20.9176, 19.7160,

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

20.9176, 19.7160, 2.7031

Protanopia

17.9099, 19.9262, 3.1893

Tritanopia

24.1276, 19.7385, 18.4578

Trichromacy



Original Color

20.9176, 19.7160, 2.7031

Protanomaly

18.7820, 19.6491, 2.9750

Tritanomaly

22.1883, 19.4177, 8.8819

Monochromacy



Original Color

20.9176, 19.7160, 2.7031

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.8491, 17.6480, 8.8217

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9176, 19.7160, 2.7031 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(162, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(162, 114, 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(162, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 114, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9176, 19.7160, 2.7031 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(162, 114, 0) }
```

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

```
.border{ border-color:rgb(162, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(162, 114,  
0) }
```


Background

The CSS property to change the background color of an element to XYZ 20.9176, 19.7160, 2.7031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 114, 0) }
```

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

```
.background{ background-color: rgb(162,  
114, 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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