

Converting Colors

XYZ(19.6719, 20.5492, 2.9296)

Have a look what the booklet for
XYZ(19.6719, 20.5492, 2.9296)
contains.

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Color

**XYZ(19.5372, 20.4031,
2.9085)**

Conversions

Conversions Part 1

Format	Color
Hex	967A00
RGB	150, 122, 0
RGB Percent	59%, 48%, 0%
CMY	0.4118, 0.5216, 1.0000
CMYK	0.00, 0.19, 1.00, 0.41
HSL	49°, 100%, 29%
HSV	49°, 100%, 59%
XYZ	19.5372, 20.4031, 2.9085
YIQ	116.4640, 55.8500, -32.0060

Conversions

Conversions Part 2

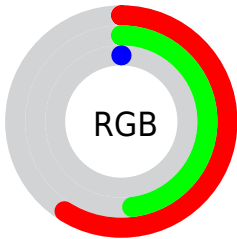
Format	Color
R_{YB}	34, 150, 0
Decimal	9861632
CIE _{Lab}	52.29, 0.73, 57.96
CIE _{LCh}	52, 57.960, 89.278
Yxy	20.4031, 0.4560, 0.4762
Android (android.graphics.Color)	4288051712 (0xFF967A00)
YUV	116.4640, -57.4168, 29.4111
Hunter-Lab	45.1698, -1.8409, 27.8011

Details

The XYZ color **19.5372, 20.4031, 2.9085** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.9204, 3.0327, 29.1272**, and the grayscale version is **16.9031, 17.7834, 19.3661**.

A 20% lighter version of the original color is **42.1318, 44.0753, 11.4411**, and **7.1681, 7.3305, 1.0371** is the 20% darker color. If you saturate the color by 10%, you get **19.5374, 20.4037, 2.9086**, and if you desaturate by 10%, it is **19.9727, 21.1361, 3.4793**.

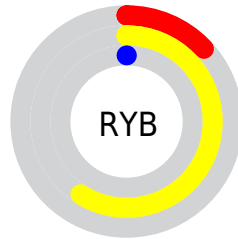
Distribution



Red (59%)

Green (48%)

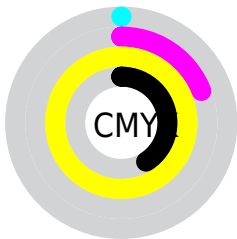
Blue (0%)



Red (13%)

Yellow (59%)

Blue (0%)

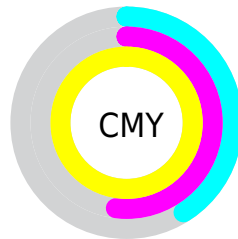


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5372, 20.4031, 2.9085 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 19.5372, 20.4031, 2.9085 by changing the saturation by 10% instead.

■ 19.5372, 20.4031,
2.9085

■ 19.5372, 20.4031,
2.9085

242.2802,
254.0890, 135.1866

■ 12.1654, 12.6884,
1.0481

■ 42.1498, 44.0920,
11.4018

■ 6.9294, 7.2143,
0.0000

■ 58.1213, 60.8350,
18.8718

■ 3.4639, 3.5965,
0.0000

■ 77.6900, 81.3561,
29.0487

■ 1.4036, 1.4505,
0.0000

■ 101.2214,
106.0399, 42.3512


■ 0.2588, 0.2535,
0.0000


■ 129.0807,
135.2707, 59.1976


■ 0.0000, 0.0000,
0.0000


■ 161.6334,


169.4329, 80.0067


 199.2448,
208.9109, 105.1968


 19.5372, 20.4031,
2.9085


 19.5372, 20.4031,
2.9085


 19.5374, 20.4037,
2.9086

 19.9727, 21.1361,
3.4793

 20.4796, 21.9129,
4.3791

 21.0878, 22.7463,
5.7625

 21.8087, 23.6410,
7.6899

 22.6524, 24.6011,
10.2128

■ 23.6274, 25.6303,
13.3766

■ 24.7417, 26.7318,
17.2226

■ 26.0024, 27.9086,
21.7884

■ 27.4164, 29.1636,
27.1089

Harmonies

Analogous

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



25.8532, 20.4031, 4.2636



19.5372, 20.4031, 2.9085



14.3124, 20.4031, 4.1276

Triad

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



19.5372, 20.4031, 2.9085



11.0183, 20.4031, 42.4327



31.0014, 20.4031, 43.5443

Complementary

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



19.5372, 20.4031, 2.9085



5.9204, 3.0327, 29.1272

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.



25.5517, 20.4031, 64.8783



19.5372, 20.4031, 2.9085



14.1092, 20.4031, 64.0376

Square

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



19.5372, 20.4031, 2.9085



10.0452, 20.4031, 21.8048



19.2486, 20.4031, 73.8175



33.2504, 20.4031, 22.6314

Rectangle

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



19.5372, 20.4031, 2.9085



11.9417, 20.4031, 6.9500



19.2486, 20.4031, 73.8175



29.4346, 20.4031, 51.2282

Sweetspot

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



19.5377, 20.4041, 2.9089



43.5395, 47.0565, 29.9541



12.8121, 6.5779, 1.8232



9.4781, 10.2620, 6.0409



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.5377, 20.4041, 2.9089



34.3603, 35.7699, 5.0933



16.7322, 24.8159, 3.9083



6.1744, 6.5625, 6.1817



16.2257, 16.9658, 2.4195



0.2177, 0.2459, 0.0360

Inverse Universe

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



5.9204, 3.0327, 29.1272



10.3512, 5.1582, 51.3713



6.5875, 2.7602, 29.0394



5.5819, 5.7978, 7.2946



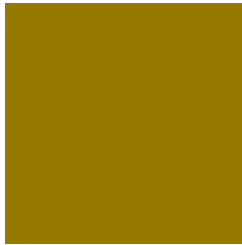
4.9286, 2.5519, 24.1638



0.0765, 0.0637, 0.3012

Previews

White Background



This preview shows how the XYZ color 19.5372, 20.4031, 2.9085 looks on a white background.

Color Contrast Check

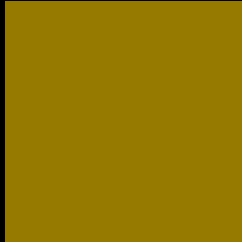
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5372, 20.4031, 2.9085 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 19.5372, 20.4031, 2.9085

Background



This preview shows how black text looks on a background with the XYZ color 19.5372, 20.4031, 2.9085.



This preview shows how white text looks on a background with the XYZ color 19.5372, 20.4031,

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

19.5372, 20.4031, 2.9085

Protanopia

18.3510, 20.3431, 3.1317

Deuteranopia

20.7578, 20.4869, 3.1769



Tritanopia

23.1283, 20.2833, 21.1084

Trichromacy



Original Color

19.5372, 20.4031, 2.9085

Protanomaly

18.7312, 20.3534, 3.0562

Deuteranomaly

20.2724, 20.4168, 3.0734

Tritanomaly

20.9470, 19.9109, 9.9469

Monochromacy



Original Color

19.5372, 20.4031, 2.9085

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

16.6166, 18.0405, 9.0849

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5372, 20.4031, 2.9085 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(150, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 122, 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(150, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5372, 20.4031, 2.9085 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(150, 122, 0) }
```


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

```
.border{ border-color:rgb(150, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5372, 20.4031, 2.9085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 122, 0) }
```

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

```
.background{ background-color: rgb(150,  
122, 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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