

Converting Colors

XYZ(20.4458, 18.9856, 0.9507)

Have a look what the booklet for
XYZ(20.4458, 18.9856, 0.9507)
contains.

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Color

**XYZ(20.7887, 19.1554,
2.6017)**

Conversions

Conversions Part 1

Format	Color
Hex	A36F00
RGB	163, 111, 0
RGB Percent	64%, 44%, 0%
CMY	0.3608, 0.5647, 1.0000
CMYK	0.00, 0.32, 1.00, 0.36
HSL	41°, 100%, 32%
HSV	41°, 100%, 64%
XYZ	20.7887, 19.1554, 2.6017
YIQ	113.8940, 66.6230, -23.4970

Conversions

Conversions Part 2

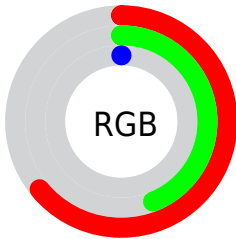
Format	Color
R_{YB}	76, 163, 0
Decimal	10710784
CIE Lab	50.87, 13.03, 57.69
CIE LCh	51, 59.138, 77.274
Yxy	19.1554, 0.4886, 0.4502
Android (android.graphics.Color)	4288900864 (0xFFA36F00)
YUV	113.8940, -56.1497, 43.0660
Hunter-Lab	43.7669, 8.1931, 27.1124

Details

The XYZ color **20.7887, 19.1554, 2.6017** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **7.8390, 5.1006, 35.2214**, and the grayscale version is **16.1122, 16.9513, 18.4600**.

A 20% lighter version of the original color is **44.2772, 41.8988, 10.6041**, and **7.7214, 6.6192, 0.8707** is the 20% darker color. If you saturate the color by 10%, you get **20.7888, 19.1558, 2.6018**, and if you desaturate by 10%, it is **21.4690, 20.3628, 3.3012**.

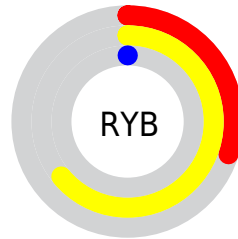
Distribution



Red (64%)

Green (44%)

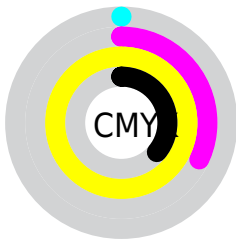
Blue (0%)



Red (30%)

Yellow (64%)

Blue (0%)

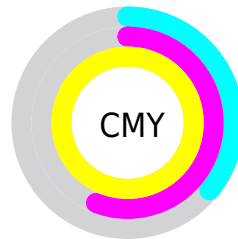


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7887, 19.1554, 2.6017 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 20.7887, 19.1554, 2.6017 by changing the saturation by 10% instead.

■ 20.7887, 19.1554,
2.6017

■ 20.7887, 19.1554,
2.6017

248.9064,
247.3053, 131.1138

■ 13.0812, 11.7826,
0.8933

■ 44.2295, 41.9965,
10.6287

■ 7.5619, 6.5958,
0.0000

■ 60.6936, 58.2337,
17.7861

■ 3.8653, 3.2107,
0.0000

■ 80.8072, 78.1944,
27.5976

■ 1.6262, 1.2427,
0.0000

■ 104.9358,
102.2630, 40.4816


■ 0.4094, 0.0962,
0.0000


■ 133.4446,
130.8241, 56.8566


■ 0.0000, 0.0000,
0.0000


■ 166.6991,


164.2619, 77.1413


 205.0646,
202.9608, 101.7542


 20.7887, 19.1554,
2.6017


 20.7887, 19.1554,
2.6017


 20.7888, 19.1558,
2.6018

 21.4690, 20.3628,
3.3012

 22.2598, 21.6673,
4.4192

 23.1949, 23.0840,
6.1286

 24.2889, 24.6198,
8.5045

 25.5546, 26.2804,
11.6104

■ 27.0029, 28.0711,
15.5026

■ 28.6439, 29.9967,
20.2318

■ 30.4870, 32.0616,
25.8443

■ 32.5407, 34.2701,
32.3830

Harmonies

Analogous

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



26.9181, 19.1554, 5.0478



20.7887, 19.1554, 2.6017



15.0775, 19.1554, 2.7698

Triad

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



20.7887, 19.1554, 2.6017



9.4650, 19.1554, 31.9127



27.7424, 19.1554, 51.0920

Complementary

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



20.7887, 19.1554, 2.6017



7.8390, 5.1006, 35.2214

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.



21.7412, 19.1554, 68.9678



20.7887, 19.1554, 2.6017



11.6122, 19.1554, 54.4348

Square

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



20.7887, 19.1554, 2.6017



9.3169, 19.1554, 14.5554



15.8477, 19.1554, 70.4411



31.4720, 19.1554, 28.7565

Rectangle

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



20.7887, 19.1554, 2.6017



12.2279, 19.1554, 4.3234



15.8477, 19.1554, 70.4411



25.8721, 19.1554, 58.2405

Sweetspot

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



20.7891, 19.1564, 2.6021



51.1252, 53.5222, 35.7176



15.7780, 8.0562, 4.2552



11.2098, 11.7046, 7.2247



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.



20.7891, 19.1564, 2.6021



37.0440, 33.9320, 4.5971



23.2235, 31.4146, 4.8398



7.4580, 7.8544, 7.5031



16.1991, 14.9721, 2.0361



0.3800, 0.3939, 0.0560

Inverse Universe

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



7.8390, 5.1006, 35.2214



13.8776, 8.8119, 63.0256



7.0675, 2.8799, 34.8334



6.8763, 7.2117, 8.9326



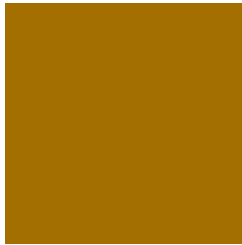
6.1293, 4.0379, 27.3861



0.1698, 0.1668, 0.5891

Previews

White Background



This preview shows how the XYZ color 20.7887, 19.1554, 2.6017 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 20.7887, 19.1554, 2.6017 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 20.7887, 19.1554, 2.6017

Background



This preview shows how black text looks on a background with the XYZ color 20.7887, 19.1554, 2.6017.



This preview shows how white text looks on a background with the XYZ color 20.7887, 19.1554,

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

20.7887, 19.1554, 2.6017

Protanopia

17.3365, 19.2616, 3.1207

Deuteranopia

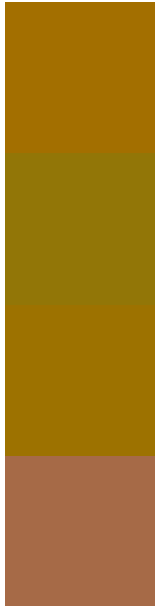
19.4572, 19.1315, 2.6672



Tritanopia

23.8679, 19.1730, 17.4817

Trichromacy



Original Color

20.7887, 19.1554, 2.6017

Protanomaly

18.3708, 19.0832, 2.9162

Deuteranomaly

19.9219, 19.2027, 2.6565

Tritanomaly

22.0172, 18.8700, 8.4431

Monochromacy



Original Color

20.7887, 19.1554, 2.6017

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

16.6234, 17.1968, 8.7465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7887, 19.1554, 2.6017 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(163, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 111, 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(163, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7887, 19.1554, 2.6017 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(163, 111, 0) }
```


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

```
.border{ border-color:rgb(163, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 111,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7887, 19.1554, 2.6017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 111, 0) }
```

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

```
.background{ background-color: rgb(163,  
111, 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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