

Converting Colors

XYZ(20.7614, 18.6138, 1.0564)

Have a look what the booklet for
XYZ(20.7614, 18.6138, 1.0564)
contains.

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Color

**XYZ(20.9836, 18.6224,
2.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	A66B00
RGB	166, 107, 0
RGB Percent	65%, 42%, 0%
CMY	0.3490, 0.5804, 1.0000
CMYK	0.00, 0.36, 1.00, 0.35
HSL	39°, 100%, 33%
HSV	39°, 100%, 65%
XYZ	20.9836, 18.6224, 2.4885
YIQ	112.4430, 69.5110, -20.7690

Conversions

Conversions Part 2

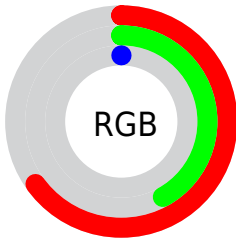
Format	Color
R_{YB}	92, 166, 0
Decimal	10906368
CIE _{Lab}	50.24, 16.66, 57.45
CIE _{LCh}	50, 59.822, 73.825
Yxy	18.6224, 0.4985, 0.4424
Android (android.graphics.Color)	4289096448 (0xFFA66B00)
YUV	112.4430, -55.4344, 46.9695
Hunter-Lab	43.1537, 11.2772, 26.7886

Details

The XYZ color **20.9836, 18.6224, 2.4885** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.4469, 5.8811, 36.7661**, and the grayscale version is **15.6761, 16.4924, 17.9603**.

A 20% lighter version of the original color is **44.4881, 40.9814, 10.2680**, and **7.8002, 6.4199, 0.8280** is the 20% darker color. If you saturate the color by 10%, you get **20.9838, 18.6230, 2.4886**, and if you desaturate by 10%, it is **21.7184, 19.9352, 3.2175**.

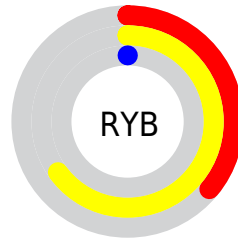
Distribution



Red (65%)

Green (42%)

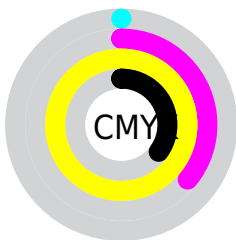
Blue (0%)



Red (36%)

Yellow (65%)

Blue (0%)

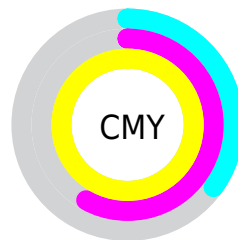


Cyan (0%)

Magenta (36%)

Yellow (100%)

Black (35%)



Cyan (35%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.9836, 18.6224, 2.4885 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 20.9836, 18.6224, 2.4885 by changing the saturation by 10% instead.

■ 20.9836, 18.6224,
2.4885

■ 20.9836, 18.6224,
2.4885

249.9247,
244.3562, 129.5526

■ 13.2244, 11.3978,
0.8341

■ 44.5517, 41.0951,
10.3378

■ 7.6613, 6.3350,
0.0000

■ 61.0914, 57.1119,
17.3755

■ 3.9290, 3.0499,
0.0000

■ 81.2885, 76.8282,
27.0466

■ 1.6620, 1.1578,
0.0000

■ 105.5086,
100.6284, 39.7698


■ 0.4323, 0.0268,
0.0000


■ 134.1169,
128.8969, 55.9634


■ 0.0000, 0.0000,
0.0000


■ 167.4787,


162.0181, 76.0460


 205.9596,
200.3764, 100.4363


 20.9836, 18.6224,
2.4885


 20.9836, 18.6224,
2.4885


 20.9838, 18.6230,
2.4886

 21.7184, 19.9352,
3.2175

 22.5767, 21.3650,
4.3879

 23.5935, 22.9279,
6.1776

 24.7843, 24.6314,
8.6652

 26.1625, 26.4819,
11.9172

■ 27.7400, 28.4855,
15.9928

■ 29.5275, 30.6475,
20.9449

■ 31.5349, 32.9730,
26.8220

■ 33.7714, 35.4667,
33.6693

Harmonies

Analogous

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



27.0007, 18.6224, 5.2485



20.9836, 18.6224, 2.4885



15.1725, 18.6224, 2.4059

Triad

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



20.9836, 18.6224, 2.4885



8.9459, 18.6224, 28.8828



26.5754, 18.6224, 53.0441

Complementary

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



20.9836, 18.6224, 2.4885



8.4469, 5.8811, 36.7661

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.



20.4938, 18.6224, 69.6186



20.9836, 18.6224, 2.4885



10.8258, 18.6224, 51.3090

Square

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



20.9836, 18.6224, 2.4885



9.0210, 18.6224, 12.6329



14.7782, 18.6224, 68.8517



30.6790, 18.6224, 30.5105

Rectangle

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



20.9836, 18.6224, 2.4885



12.2013, 18.6224, 3.6546



14.7782, 18.6224, 68.8517



24.6433, 18.6224, 59.9332

Sweetspot

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



20.9840, 18.6234, 2.4888



53.3978, 55.3950, 37.4657



16.5646, 8.4426, 5.1530



11.6464, 12.0337, 7.5324



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.



20.9840, 18.6234, 2.4888



37.8778, 33.3869, 4.4479



25.1145, 33.1896, 5.0827



7.9192, 8.3184, 7.9775



16.3172, 14.5317, 1.9449



0.4425, 0.4446, 0.0625

Inverse Universe

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



8.4469, 5.8811, 36.7661



15.1481, 10.3092, 66.6668



7.2169, 2.9254, 36.2604



7.3418, 7.7206, 9.5216



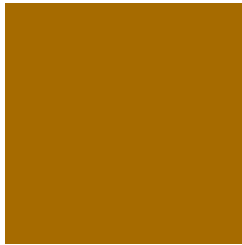
6.5907, 4.6416, 28.5240



0.2086, 0.2093, 0.7101

Previews

White Background



This preview shows how the XYZ color 20.9836, 18.6224, 2.4885 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 20.9836, 18.6224, 2.4885 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 20.9836, 18.6224, 2.4885

Background



This preview shows how black text looks on a background with the XYZ color 20.9836, 18.6224, 2.4885.



This preview shows how white text looks on a background with the XYZ color 20.9836, 18.6224,

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

20.9836, 18.6224, 2.4885

Protanopia

16.7745, 18.6104, 3.0559

Deuteranopia

18.9662, 18.7100, 2.6118



Tritanopia

23.6932, 18.5313, 16.2380

Trichromacy



Original Color

20.9836, 18.6224, 2.4885

Protanomaly

18.0286, 18.3900, 2.8291

Deuteranomaly

19.5891, 18.5370, 2.5455

Tritanomaly

22.1569, 18.3551, 7.8439

Monochromacy



Original Color

20.9836, 18.6224, 2.4885

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.2290, 16.5123, 8.2931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.9836, 18.6224, 2.4885 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(166, 107, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 107, 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(166, 107, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 107, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.9836, 18.6224, 2.4885 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(166, 107, 0) }
```


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

```
.border{ border-color:rgb(166, 107, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 107, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 107, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 107, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 107,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.9836, 18.6224, 2.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 107, 0) }
```

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

```
.background{ background-color: rgb(166,  
107, 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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