

Converting Colors

XYZ(20.7064, 16.0195, 1.1868)

Have a look what the booklet for
XYZ(20.7064, 16.0195, 1.1868)
contains.

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Color

**XYZ(20.8060, 16.0290,
1.9973)**

Conversions

Conversions Part 1

Format	Color
Hex	AD5900
RGB	173, 89, 0
RGB Percent	68%, 35%, 0%
CMY	0.3216, 0.6510, 1.0000
CMYK	0.00, 0.49, 1.00, 0.32
HSL	31°, 100%, 34%
HSV	31°, 100%, 68%
XYZ	20.8060, 16.0290, 1.9973
YIQ	103.9700, 78.6330, -9.8710

Conversions

Conversions Part 2

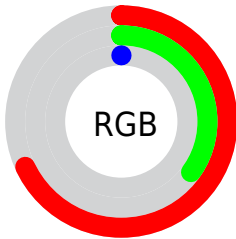
Format	Color
RYB	163, 173, 0
Decimal	11360512
CIELab	47.01, 29.73, 55.90
CIELCh	47, 63.312, 61.991
Yxy	16.0290, 0.5358, 0.4128
Android (android.graphics.Color)	4289550592 (0xFFAD5900)
YUV	103.9700, -51.2572, 60.5393
Hunter-Lab	40.0362, 22.6993, 25.0675

Details

The XYZ color **20.8060, 16.0290, 1.9973** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.7130, 9.3575, 40.7765**, and the grayscale version is **13.2689, 13.9599, 15.2023**.

A 20% lighter version of the original color is **44.1254, 36.5748, 9.0090**, and **7.7324, 5.1633, 0.5891** is the 20% darker color. If you saturate the color by 10%, you get **20.8062, 16.0295, 1.9974**, and if you desaturate by 10%, it is **21.6493, 17.5501, 2.7893**.

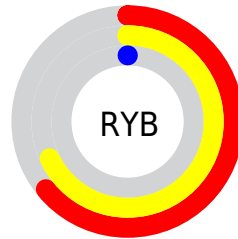
Distribution



Red (68%)

Green (35%)

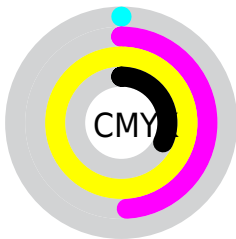
Blue (0%)



Red (64%)

Yellow (68%)

Blue (0%)

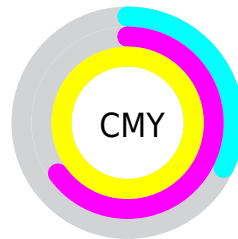


Cyan (0%)

Magenta (49%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (65%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8060, 16.0290, 1.9973 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 20.8060, 16.0290, 1.9973 by changing the saturation by 10% instead.

■ 20.8060, 16.0290,
1.9973

■ 20.8060, 16.0290,
1.9973

■ 248.9970,
229.5128, 122.3348

■ 13.0939, 9.5447,
0.5536

■ 44.2582, 36.6485,
9.0334

■ 7.5707, 5.0981,
0.0000

■ 60.7289, 51.5526,
15.5185

■ 3.8710, 2.3050,
0.0000

■ 80.8500, 70.0319,
24.5396

■ 1.6294, 0.7763,
0.0000

■ 104.9867, 92.4710,
36.5153

■ 0.4115, 0.0000,
0.0000

■ 133.5044,
119.2543, 51.8641

■ 0.0000, 0.0000,
0.0000

■ 166.7684,

150.7660, 71.0046

■ 205.1442,
187.3907, 94.3554

■ 20.8060, 16.0290,
1.9973

■ 20.8060, 16.0290,
1.9973

■ 20.8062, 16.0295,
1.9974

■ 21.6493, 17.5501,
2.7893

■ 22.6649, 19.2711,
4.0846

■ 23.8916, 21.2120,
6.0726

■ 25.3479, 23.3842,
8.8411

■ 27.0504, 25.7978,
12.4647

■ 29.0133, 28.4619,
17.0091

■ 31.2500, 31.3852,
22.5335

■ 33.7727, 34.5758,
29.0921

■ 36.5926, 38.0414,
36.7352

Harmonies

Analogous

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



26.1752, 16.0290, 5.7651



20.8060, 16.0290, 1.9973



14.8680, 16.0290, 1.2710

Triad

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



20.8060, 16.0290, 1.9973



6.8754, 16.0290, 18.5344



21.6051, 16.0290, 58.2289

Complementary

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



20.8060, 16.0290, 1.9973



10.7130, 9.3575, 40.7765

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.



15.6082, 16.0290, 69.1539



20.8060, 16.0290, 1.9973



7.8678, 16.0290, 39.1219

Square

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



20.8060, 16.0290, 1.9973



7.6320, 16.0290, 6.6876



10.7596, 16.0290, 60.6277



26.7097, 16.0290, 36.0609

Rectangle

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



20.8060, 16.0290, 1.9973



11.5837, 16.0290, 1.6949



10.7596, 16.0290, 60.6277



19.5829, 16.0290, 63.7865

Sweetspot

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



20.8063, 16.0299, 1.9976



55.7442, 55.9223, 39.7902



18.9335, 9.5643, 9.7587



11.7493, 11.6799, 7.7333



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.8063, 16.0299, 1.9976



37.0465, 28.2751, 3.5051



32.1770, 38.7712, 5.7878



8.3332, 8.6711, 8.4479



15.3428, 11.8910, 1.4865



0.4814, 0.4399, 0.0595

Inverse Universe

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



10.7130, 9.3575, 40.7765



18.9724, 16.3307, 72.9579



7.5429, 3.0172, 39.7198



7.8878, 8.3750, 10.1535



7.9270, 6.9879, 29.9755



0.2755, 0.3043, 0.8522

Previews

White Background



This preview shows how the XYZ color 20.8060, 16.0290, 1.9973 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 20.8060, 16.0290, 1.9973 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 20.8060, 16.0290, 1.9973

Background



This preview shows how black text looks on a background with the XYZ color 20.8060, 16.0290, 1.9973.



This preview shows how white text looks on a background with the XYZ color 20.8060, 16.0290,

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

20.8060, 16.0290, 1.9973

Protanopia

14.4846, 16.0585, 2.7881

Deuteranopia

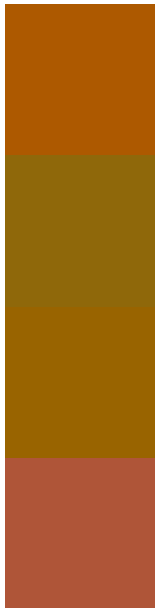
16.3094, 16.0589, 2.2401



Tritanopia

22.7592, 16.1212, 11.1447

Trichromacy



Original Color

20.8060, 16.0290, 1.9973

Protanomaly

16.3328, 15.7622, 2.4687

Deuteranomaly

17.6940, 15.8866, 2.1339

Tritanomaly

21.6415, 15.8965, 5.6691

Monochromacy



Original Color

20.8060, 16.0290, 1.9973

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.4985, 13.9842, 7.0893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8060, 16.0290, 1.9973 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(173, 89, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 89, 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(173, 89, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 89, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.8060, 16.0290, 1.9973 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(173, 89, 0) }
```


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

```
.border{ border-color:rgb(173, 89, 0) }
```

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

Here you see how a box with a 4 pixel rgb(173, 89, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 89, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 89, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 89, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.8060, 16.0290, 1.9973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 89, 0) }
```

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

```
.background{ background-color: rgb(173, 89,  
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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