

Converting Colors

XYZ(20.7714, 15.8284, 1.9604)

Have a look what the booklet for
XYZ(20.7714, 15.8284, 1.9604)
contains.

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Color

**XYZ(20.7233, 15.8637,
1.9698)**

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | AD5800 |
| RGB | 173, 88, 0 |
| RGB Percent | 68%, 35%, 0% |
| CMY | 0.3216, 0.6549, 1.0000 |
| CMYK | 0.00, 0.49, 1.00, 0.32 |
| HSL | 31°, 100%, 34% |
| HSV | 31°, 100%, 68% |
| XYZ | 20.7233, 15.8637, 1.9698 |
| YIQ | 103.3830, 78.9080, -9.3480 |

Conversions

Conversions Part 2

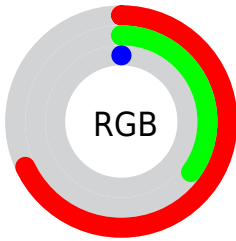
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 167, 173, 0 |
| Decimal | 11360256 |
| CIELab | 46.80, 30.27, 55.76 |
| CIElCh | 47, 63.450, 61.507 |
| Yxy | 15.8637, 0.5375, 0.4114 |
| Android (android.graphics.Color) | 4289550336 (0xFFAD5800) |
| YUV | 103.3830, -50.9678, 61.0541 |
| Hunter-Lab | 39.8293, 23.1730, 24.9482 |

Details

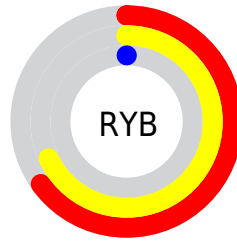
The XYZ color **20.7233, 15.8637, 1.9698** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.7913, 9.5140, 40.8024**, and the grayscale version is **13.1108, 13.7936, 15.0213**.

A 20% lighter version of the original color is **43.9799, 36.2839, 8.9605**, and **7.6982, 5.0950, 0.5777** is the 20% darker color. If you saturate the color by 10%, you get **20.7234, 15.8641, 1.9698**, and if you desaturate by 10%, it is **21.5661, 17.3839, 2.7617**.

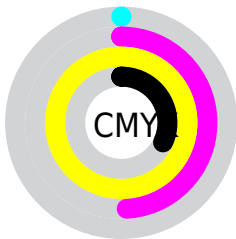
Distribution



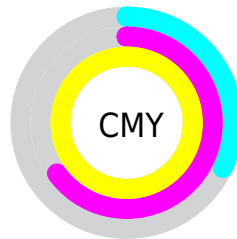
- Red (68%)
- Green (35%)
- Blue (0%)



- Red (65%)
- Yellow (68%)
- Blue (0%)



- Cyan (0%)
- Magenta (49%)
- Yellow (100%)
- Black (32%)





- Cyan (32%)
- Magenta (65%)
- Yellow (100%)
- Black (0%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7233, 15.8637, 1.9698 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 20.7233, 15.8637, 1.9698 by changing the saturation by 10% instead.


 20.7233, 15.8637,
1.9698


 20.7233, 15.8637,
1.9698


 248.5639,
228.5361, 121.9061


 13.0332, 9.4278,
0.5366


 44.1213, 36.3614,
8.9581

 7.5286, 5.0212,
0.0000

 60.5600, 51.1920,
15.4103


 3.8441, 2.2597,
0.0000

 80.6455, 69.5895,
24.3928

 1.6143, 0.7523,
0.0000

 104.7433, 91.9385,
36.3239


 0.4017, 0.0000,
0.0000


 133.2186,
118.6232, 51.6222


 0.0000, 0.0000,
0.0000


 166.4370,


150.0281, 70.7063


 204.7636,
186.5376, 93.9948


 20.7233, 15.8637,
1.9698


 20.7233, 15.8637,
1.9698


 20.7234, 15.8641,
1.9698

 21.5661, 17.3839,
2.7617

 22.5831, 19.1074,
4.0574

 23.8127, 21.0544,
6.0465

 25.2740, 23.2365,
8.8167

 26.9834, 25.6639,
12.4427

■ 28.9554, 28.3459,
16.9901

■ 31.2032, 31.2915,
22.5183

■ 33.7392, 34.5088,
29.0814

■ 36.5748, 38.0056,
36.7298

Harmonies

Analogous

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



26.0457, 15.8637, 5.7668



20.7233, 15.8637, 1.9698



14.8009, 15.8637, 1.2270

Triad

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



20.7233, 15.8637, 1.9698



6.7679, 15.8637, 18.0838



21.3261, 15.8637, 58.2554

Complementary

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



20.7233, 15.8637, 1.9698



10.7913, 9.5140, 40.8024

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.



15.3585, 15.8637, 68.8886



20.7233, 15.8637, 1.9698



7.7240, 15.8637, 38.5001

Square

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



20.7233, 15.8637, 1.9698



7.5468, 15.8637, 6.4584



10.5640, 15.8637, 60.0698



26.4492, 15.8637, 36.1879

Rectangle

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



20.7233, 15.8637, 1.9698



11.5150, 15.8637, 1.6244



10.5640, 15.8637, 60.0698



19.3091, 15.8637, 63.7317

Sweetspot

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



20.7236, 15.8646, 1.9701



55.6590, 55.7519, 39.7618



18.9335, 9.5643, 9.7588



11.7290, 11.6392, 7.7265



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.



20.7236, 15.8646, 1.9701



36.8989, 27.9798, 3.4559



32.1769, 38.7710, 5.7878



8.3294, 8.6635, 8.4466



15.2819, 11.7694, 1.4663



0.4798, 0.4367, 0.0590

Inverse Universe

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



10.7913, 9.5140, 40.8024



19.1118, 16.6094, 73.0044



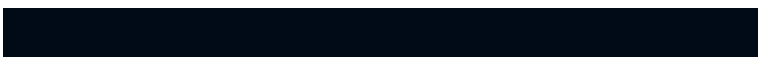
7.5429, 3.0173, 39.7196



7.8916, 8.3826, 10.1548



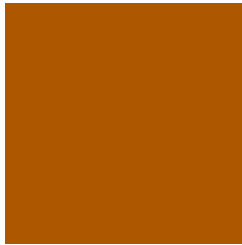
7.9846, 7.1031, 29.9947



0.2770, 0.3074, 0.8527

Previews

White Background



This preview shows how the XYZ color 20.7233, 15.8637, 1.9698 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 20.7233, 15.8637, 1.9698 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 20.7233, 15.8637, 1.9698

Background



This preview shows how black text looks on a background with the XYZ color 20.7233, 15.8637, 1.9698.



This preview shows how white text looks on a background with the XYZ color 20.7233, 15.8637,

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

20.7233, 15.8637, 1.9698

Protanopia

14.4846, 16.0585, 2.7881

Deuteranopia

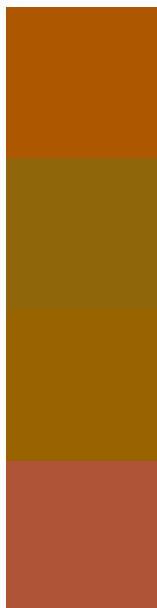
16.1385, 15.9708, 2.2321



Tritanopia

22.6421, 15.9528, 10.9027

Trichromacy



Original Color

20.7233, 15.8637, 1.9698

Protanomaly

16.2327, 15.5621, 2.4354

Deuteranomaly

17.5987, 15.6960, 2.1021

Tritanomaly

21.5391, 15.7304, 5.5155

Monochromacy



Original Color

20.7233, 15.8637, 1.9698

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.2531, 13.7179, 7.0509

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7233, 15.8637, 1.9698 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, 88, 0)` looks like.

```
.text, #text, p{  
    color:rgb(173, 88, 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, 88, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 88, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.7233, 15.8637, 1.9698 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, 88, 0) }
```


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

```
.border{ border-color:rgb(173, 88, 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, 88, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 88, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 88, 0);  
box-shadow:4px 4px 4px 4px rgb(173, 88, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.7233, 15.8637, 1.9698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 88, 0) }
```

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

```
.background{ background-color: rgb(173, 88,  
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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