

Converting Colors

XYZ(20.0438, 15.2051, 1.8785)

Have a look what the booklet for
XYZ(20.0438, 15.2051, 1.8785)
contains.

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Color

**XYZ(20.0431, 15.1549,
1.8688)**

Conversions

Conversions Part 1

Format	Color
Hex	AB5500
RGB	171, 85, 0
RGB Percent	67%, 33%, 0%
CMY	0.3294, 0.6666, 1.0000
CMYK	0.00, 0.50, 1.00, 0.33
HSL	30°, 100%, 34%
HSV	30°, 100%, 67%
XYZ	20.0431, 15.1549, 1.8688
YIQ	101.0240, 78.5410, -8.2030

Conversions

Conversions Part 2

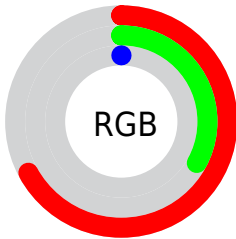
Format	Color
RYB	171, 169, 0
Decimal	11228416
CIELab	45.85, 31.03, 55.04
CIELCh	46, 63.186, 60.585
Yxy	15.1549, 0.5407, 0.4089
Android (android.graphics.Color)	4289418496 (0xFFAB5500)
YUV	101.0240, -49.8048, 61.3690
Hunter-Lab	38.9293, 23.7761, 24.4043

Details

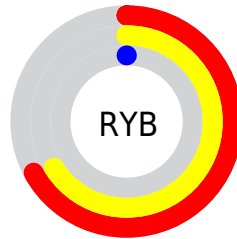
The XYZ color **20.0431, 15.1549, 1.8688** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.6783, 9.5956, 39.8172**, and the grayscale version is **12.4868, 13.1371, 14.3063**.

A 20% lighter version of the original color is **42.8723, 35.0799, 8.6492**, and **7.3437, 4.7679, 0.5332** is the 20% darker color. If you saturate the color by 10%, you get **20.0432, 15.1554, 1.8689**, and if you desaturate by 10%, it is **20.8641, 16.6340, 2.6456**.

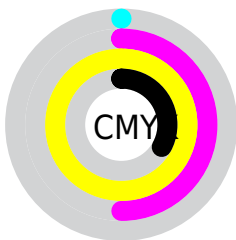
Distribution



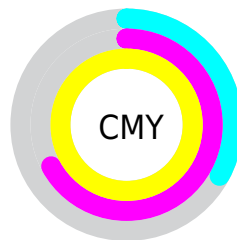
- Red (67%)
- Green (33%)
- Blue (0%)



- Red (67%)
- Yellow (66%)
- Blue (0%)



- Cyan (0%)
- Magenta (50%)
- Yellow (100%)
- Black (33%)





- Cyan (33%)
- Magenta (67%)
- Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 20.0431, 15.1549, 1.8688 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 20.0431, 15.1549, 1.8688 by changing the saturation by 10% instead.


 20.0431, 15.1549,
1.8688


 20.0431, 15.1549,
1.8688


 244.9775,
224.3019, 120.3051

 12.5348, 8.9282,
0.4728


 42.9928, 35.1247,
8.6789


 7.1838, 4.6944,
0.0000


 59.1650, 49.6365,
15.0089

 3.6247, 2.0691,
0.0000

 78.9558, 67.6789,
23.8468

 1.4921, 0.6471,
0.0000

 102.7307, 89.6361,
35.6112


 0.3204, 0.0000,
0.0000


 130.8549,
115.8927, 50.7207


 0.0000, 0.0000,
0.0000


 163.6939,


146.8329, 69.5939


 201.6129,
182.8411, 92.6491


 20.0431, 15.1549,
1.8688


 20.0431, 15.1549,
1.8688


 20.0432, 15.1554,
1.8689

 20.8641, 16.6340,
2.6456

 21.8577, 18.3176,
3.9125

 23.0619, 20.2258,
5.8557

 24.4952, 22.3702,
8.5605

 26.1739, 24.7610,
12.0995

■ 28.1122, 27.4079,
16.5365

■ 30.3231, 30.3196,
21.9292

■ 32.8188, 33.5044,
28.3304

■ 35.6104, 36.9703,
35.7889

Harmonies

Analogous

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



25.1436, 15.1549, 5.6233



20.0431, 15.1549, 1.8688



14.2999, 15.1549, 1.1163

Triad

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



20.0431, 15.1549, 1.8688



6.3979, 15.1549, 16.8025



20.2697, 15.1549, 56.8271

Complementary

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



20.0431, 15.1549, 1.8688



10.6783, 9.5956, 39.8172

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.



14.5091, 15.1549, 66.6476



20.0431, 15.1549, 1.8688



7.2635, 15.1549, 36.3795

Square

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



20.0431, 15.1549, 1.8688



7.1974, 15.1549, 5.8803



9.9367, 15.1549, 57.5130



25.2955, 15.1549, 35.5077

Rectangle

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



20.0431, 15.1549, 1.8688



11.0948, 15.1549, 1.4567



9.9367, 15.1549, 57.5130



18.3140, 15.1549, 62.0131

Sweetspot

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



20.0434, 15.1557, 1.8691



54.0838, 54.0111, 38.7151



18.5706, 9.3684, 10.1386



11.6884, 11.5579, 7.7130



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.



20.0434, 15.1557, 1.8691



35.6846, 26.7185, 3.2764



30.8248, 36.7184, 5.4628



8.3217, 8.6483, 8.4441



15.1624, 11.5303, 1.4264



0.4766, 0.4304, 0.0580

Inverse Universe

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



10.6783, 9.5956, 39.8172



18.9114, 16.7593, 71.2400



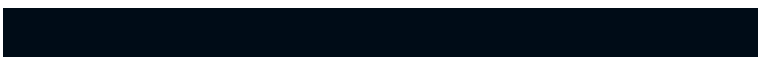
7.3817, 3.0022, 38.7183



7.8992, 8.3978, 10.1573



8.1025, 7.3389, 30.0340



0.2801, 0.3136, 0.8538

Previews

White Background



This preview shows how the XYZ color 20.0431, 15.1549, 1.8688 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 20.0431, 15.1549, 1.8688 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 20.0431, 15.1549, 1.8688

Background



This preview shows how black text looks on a background with the XYZ color 20.0431, 15.1549, 1.8688.



This preview shows how white text looks on a background with the XYZ color 20.0431, 15.1549,

1.8688.

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

20.0431, 15.1549, 1.8688

Protanopia

13.8305, 15.3973, 2.6950

Deuteranopia

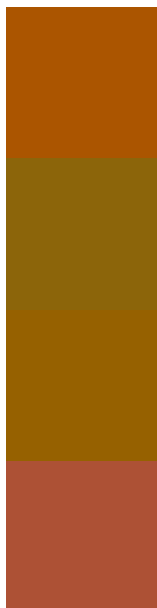
15.4315, 15.3039, 2.1406



Tritanopia

21.8518, 15.2307, 10.1756

Trichromacy



Original Color

20.0431, 15.1549, 1.8688

Protanomaly

15.5237, 14.9047, 2.3459

Deuteranomaly

16.8524, 15.0334, 2.0135

Tritanomaly

20.8186, 15.0261, 5.1712

Monochromacy



Original Color

20.0431, 15.1549, 1.8688

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.6218, 12.9902, 6.6399

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.0431, 15.1549, 1.8688 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(171, 85, 0)` looks like.

```
.text, #text, p{  
    color:rgb(171, 85, 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(171, 85, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 85, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.0431, 15.1549, 1.8688 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(171, 85, 0) }
```


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

```
.border{ border-color:rgb(171, 85, 0) }
```

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

Here you see how a box with a 4 pixel rgb(171, 85, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 85, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 85, 0);  
box-shadow:4px 4px 4px 4px rgb(171, 85, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 20.0431, 15.1549, 1.8688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 85, 0) }
```

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

```
.background{ background-color: rgb(171, 85,  
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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