

Converting Colors

$Y_{xy}(21.7859, 0.5225, 0.4233)$

Have a look what the booklet for
Yxy(21.7859, 0.5225, 0.4233)
contains.

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Color

Yxy(21.8015, 0.5219, 0.4238)

Conversions

Conversions Part 1

Format	Color
Hex	BF6C00
RGB	191, 108, 0
RGB Percent	75%, 42%, 0%
CMY	0.2510, 0.5764, 0.9999
CMYK	0.00, 0.43, 1.00, 0.25
HSL	34°, 100%, 37%
HSV	34°, 100%, 75%
XYZ	26.8480, 21.8015, 2.7933
YIQ	120.5050, 84.1360, -15.9920

Conversions

Conversions Part 2

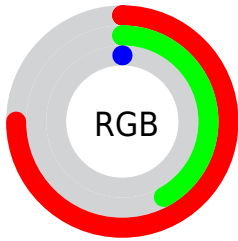
Format	Color
R _Y B	147, 191, 0
Decimal	12545024
CIE Lab	53.82, 27.14, 61.39
CIE LCh	54, 67.116, 66.152
Yxy	21.8015, 0.5219, 0.4238
Android (android.graphics.Color)	4290735104 (0xFFBF6C00)
YUV	120.5050, -59.4090, 61.8241
Hunter-Lab	46.6921, 20.9268, 29.1374

Details

The Yxy color **21.8015, 0.5219, 0.4238** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.9490, 0.1712, 0.1363**, and the grayscale version is **19.1287, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4059, 0.4844, 0.4160**, and **7.9532, 0.5507, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **21.8011, 0.5219, 0.4238**, and if you desaturate by 10%, it is **23.6851, 0.5043, 0.4284**.

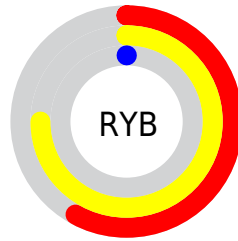
Distribution



Red (75%)

Green (42%)

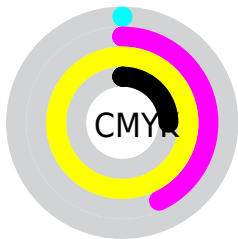
Blue (0%)



Red (58%)

Yellow (75%)

Blue (0%)

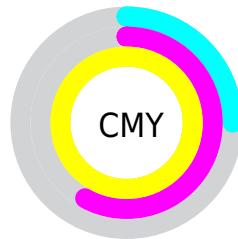


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (58%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8015, 0.5219, 0.4238 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 Yxy color 21.8015, 0.5219, 0.4238 by changing the saturation by 10% instead.


 21.8015, 0.5219,
0.4238


 21.8015, 0.5219,
0.4238


261.5079, 0.4139,
0.3878


 13.7111, 0.5448,
0.4245


 46.4177, 0.4845,
0.4160


 7.9200, 0.5760,
0.4240


 63.7123, 0.4696,
0.4112

 4.0438, 0.5962,
0.4038

 84.8438, 0.4568,
0.4066

 1.6981, 0.6281,
0.3719

 110.1965, 0.4458,
0.4022

 0.4224, 0.7196,
0.2804

 140.1549, 0.4362,
0.3981

 0.0000, 1.0000,
0.0000


 175.1033, 0.4278,


 0.0000, 0.0000,


0.3944


0.0000


 215.4262, 0.4204,
0.3910


 21.8015, 0.5219,
0.4238


 21.8015, 0.5219,
0.4238


 21.8011, 0.5219,
0.4238

 23.6851, 0.5043,
0.4284

 25.7851, 0.4837,
0.4283

 28.1240, 0.4605,
0.4232

 30.7141, 0.4361,
0.4139

 33.5669, 0.4116,
0.4016

■ 36.6923, 0.3881,
0.3875

■ 40.0999, 0.3663,
0.3726

■ 43.7985, 0.3464,
0.3575

■ 47.7964, 0.3285,
0.3429

Harmonies

Analogous

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



21.8015, 0.5403, 0.3459



21.8015, 0.5219, 0.4238



21.8015, 0.4464, 0.5050

Triad

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



21.8015, 0.5219, 0.4238



21.8015, 0.1633, 0.3644



21.8015, 0.2417, 0.1755

Complementary

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



21.8015, 0.5219, 0.4238



9.9490, 0.1712, 0.1363

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.



21.8015, 0.1670, 0.1637



21.8015, 0.5219, 0.4238



21.8015, 0.1284, 0.2451

Square

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



21.8015, 0.5219, 0.4238



21.8015, 0.2415, 0.5037



21.8015, 0.1310, 0.1830



21.8015, 0.3558, 0.2145

Rectangle

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



21.8015, 0.5219, 0.4238



21.8015, 0.3803, 0.5457



21.8015, 0.1310, 0.1830



21.8015, 0.2121, 0.1684

Sweetspot

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



21.8027, 0.5219, 0.4238



71.5147, 0.3673, 0.3733



11.7475, 0.5176, 0.2625



15.1204, 0.3764, 0.3797



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



21.8027, 0.5219, 0.4238



38.5546, 0.5239, 0.4222



47.1384, 0.4106, 0.5122



10.4073, 0.3275, 0.3420



14.4905, 0.5201, 0.4252



0.6955, 0.4898, 0.4493

Inverse Universe

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



9.9490, 0.1712, 0.1363



17.3538, 0.1704, 0.1335



3.8235, 0.1515, 0.0608



9.8890, 0.2984, 0.3157



6.6917, 0.1719, 0.1387



0.3923, 0.1851, 0.1863

Previews

White Background



This preview shows how the Yxy color 21.8015, 0.5219, 0.4238 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 Yxy color 21.8015, 0.5219, 0.4238 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](#).

Yxy 21.8015, 0.5219, 0.4238

Background



This preview shows how black text looks on a background with the Yxy color 21.8015, 0.5219, 0.4238.



This preview shows how white text looks on a background with the Yxy color 21.8015, 0.5219, 0.4238.

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

21.8015, 0.5219, 0.4238

Protanopia

22.1107, 0.4359, 0.4838

Deuteranopia

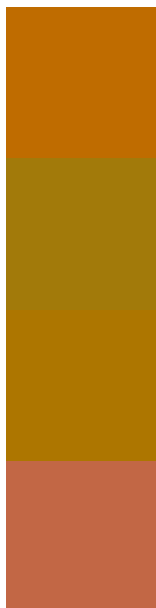
21.9524, 0.4700, 0.4650



Tritanopia

21.7992, 0.4353, 0.3187

Trichromacy



Original Color

21.8015, 0.5219, 0.4238

Protanomaly

21.6224, 0.4678, 0.4616

Deuteranomaly

21.8411, 0.4887, 0.4502

Tritanomaly

21.5995, 0.4850, 0.3719

Monochromacy



Original Color

21.8015, 0.5219, 0.4238

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.1376, 0.4027, 0.3965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8015, 0.5219, 0.4238 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(191, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 108, 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(191, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 21.8015, 0.5219, 0.4238 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(191, 108, 0) }
```

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

```
.border{ border-color:rgb(191, 108, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 108, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8015, 0.5219, 0.4238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 108, 0) }
```

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

```
.background{ background-color: rgb(191,  
108, 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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