

Converting Colors

$Y_{xy}(22.4888, 0.5175, 0.4273)$

Have a look what the booklet for
Yxy(22.4888, 0.5175, 0.4273)
contains.

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Color

Yxy(22.4452, 0.5174, 0.4274)

Conversions

Conversions Part 1

Format	Color
Hex	BF6F00
RGB	191, 111, 0
RGB Percent	75%, 44%, 0%
CMY	0.2510, 0.5647, 1.0000
CMYK	0.00, 0.42, 1.00, 0.25
HSL	35°, 100%, 37%
HSV	35°, 100%, 75%
XYZ	27.1716, 22.4452, 2.8989
YIQ	122.2660, 83.3110, -17.5610

Conversions

Conversions Part 2

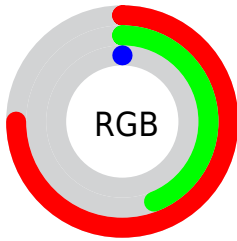
Format	Color
R _Y B	138, 191, 0
Decimal	12545792
CIE Lab	54.50, 25.52, 61.83
CIE LCh	54, 66.884, 67.574
Yxy	22.4452, 0.5174, 0.4274
Android (android.graphics.Color)	4290735872 (0xFFBF6F00)
YUV	122.2660, -60.2771, 60.2797
Hunter-Lab	47.3764, 19.4659, 29.5356

Details

The Yxy color **22.4452, 0.5174, 0.4274** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **9.5002, 0.1699, 0.1315**, and the grayscale version is **19.7352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.4704, 0.4810, 0.4182**, and **8.2705, 0.5442, 0.4061** is the 20% darker color. If you saturate the color by 10%, you get **22.4465, 0.5174, 0.4274**, and if you desaturate by 10%, it is **24.3188, 0.5005, 0.4316**.

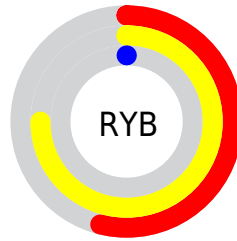
Distribution



Red (75%)

Green (44%)

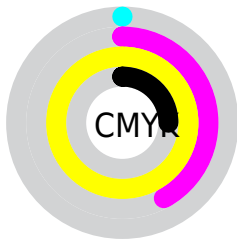
Blue (0%)



Red (54%)

Yellow (75%)

Blue (0%)

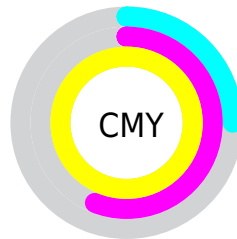


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (25%)



Cyan (25%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.4452, 0.5174, 0.4274 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 22.4452, 0.5174, 0.4274 by changing the saturation by 10% instead.


 22.4452, 0.5174,
0.4274


 22.4452, 0.5174,
0.4274


264.8625, 0.4124,
0.3892

 14.1844, 0.5395,
0.4290


 47.4807, 0.4811,
0.4186

 8.2490, 0.5700,
0.4300


 65.0242, 0.4667,
0.4135

 4.2547, 0.5887,
0.4113

 86.4307, 0.4542,
0.4086

 1.8170, 0.6181,
0.3819

 112.0847, 0.4435,
0.4041

 0.4978, 0.6928,
0.3072

 142.3704, 0.4341,
0.3998

 0.0000, 1.0000,
0.0000

 177.6724, 0.4259,

 0.0000, 0.0000,


0.3960


0.0000

 218.3749, 0.4187,
0.3924

 22.4452, 0.5174,
0.4274

 22.4452, 0.5174,
0.4274


 22.4465, 0.5174,
0.4274

 24.3188, 0.5005,
0.4316

 26.3980, 0.4807,
0.4312

 28.7046, 0.4583,
0.4257

 31.2508, 0.4345,
0.4161

 34.0474, 0.4105,
0.4035

■ 37.1041, 0.3875,
0.3890

■ 40.4299, 0.3660,
0.3737

■ 44.0333, 0.3463,
0.3583

■ 47.9222, 0.3285,
0.3433

Harmonies

Analogous

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



22.4452, 0.5385, 0.3498



22.4452, 0.5174, 0.4274



22.4452, 0.4412, 0.5070

Triad

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



22.4452, 0.5174, 0.4274



22.4452, 0.1624, 0.3575



22.4452, 0.2471, 0.1782

Complementary

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



22.4452, 0.5174, 0.4274



9.5002, 0.1699, 0.1315

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.



22.4452, 0.1710, 0.1652



22.4452, 0.5174, 0.4274



22.4452, 0.1295, 0.2422

Square

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



22.4452, 0.5174, 0.4274



22.4452, 0.2381, 0.4957



22.4452, 0.1336, 0.1828



22.4452, 0.3613, 0.2181

Rectangle

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



22.4452, 0.5174, 0.4274



22.4452, 0.3753, 0.5450



22.4452, 0.1336, 0.1828



22.4452, 0.2171, 0.1707

Sweetspot

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



22.4465, 0.5174, 0.4274



72.1098, 0.3669, 0.3744



11.6983, 0.5246, 0.2664



15.2654, 0.3760, 0.3810



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.



22.4465, 0.5174, 0.4274



39.7068, 0.5193, 0.4259



46.7623, 0.4077, 0.5145



10.4324, 0.3274, 0.3423



14.9123, 0.5157, 0.4287



0.7107, 0.4868, 0.4517

Inverse Universe

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



9.5002, 0.1699, 0.1315



16.5586, 0.1691, 0.1287



3.8455, 0.1520, 0.0611



9.8644, 0.2984, 0.3153



6.3946, 0.1706, 0.1340



0.3800, 0.1840, 0.1822

Previews

White Background



This preview shows how the Yxy color 22.4452, 0.5174, 0.4274 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 22.4452, 0.5174, 0.4274 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 22.4452, 0.5174, 0.4274

Background



This preview shows how black text looks on a background with the Yxy color 22.4452, 0.5174, 0.4274.



This preview shows how white text looks on a background with the Yxy color 22.4452, 0.5174, 0.4274.

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

22.4452, 0.5174, 0.4274

Protanopia

22.5630, 0.4371, 0.4831

Deuteranopia

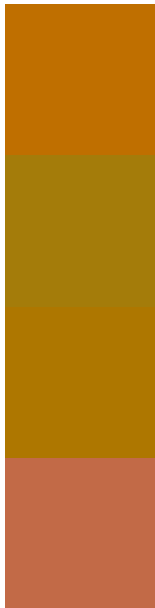
22.4146, 0.4708, 0.4644



Tritanopia

22.4503, 0.4290, 0.3186

Trichromacy



Original Color

22.4452, 0.5174, 0.4274

Protanomaly

22.3297, 0.4672, 0.4622

Deuteranomaly

22.1923, 0.4883, 0.4505

Tritanomaly

22.2323, 0.4795, 0.3735

Monochromacy



Original Color

22.4452, 0.5174, 0.4274

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.7100, 0.4013, 0.3977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4452, 0.5174, 0.4274 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, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 111, 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, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 111, 0) }
```

Border

The CSS property to change the border of an element to Yxy 22.4452, 0.5174, 0.4274 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, 111, 0) }
```

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

```
.border{ border-color:rgb(191, 111, 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, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 111,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4452, 0.5174, 0.4274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 111, 0) }
```

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

```
.background{ background-color: rgb(191,  
111, 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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