

Converting Colors

$Y_{xy}(21.9746, 0.5221, 0.4233)$

Have a look what the booklet for
Yxy(21.9746, 0.5221, 0.4233)
contains.

Yxy(21.9338, 0.5225, 0.4228)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9338, 0.5225, 0.4228)

Conversions

Conversions Part 1

Format	Color
Hex	C06C01
RGB	192, 108, 1
RGB Percent	75%, 42%, 0%
CMY	0.2471, 0.5764, 0.9955
CMYK	0.00, 0.44, 0.99, 0.25
HSL	34°, 99%, 38%
HSV	34°, 99%, 75%
XYZ	27.1060, 21.9338, 2.8377
YIQ	120.9180, 84.4110, -15.4690

Conversions

Conversions Part 2

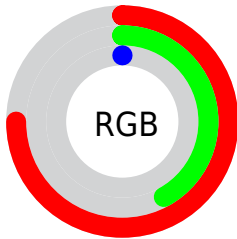
Format	Color
RYB	151, 192, 1
Decimal	12610561
CIELab	53.96, 27.58, 61.32
CIELCh	54, 67.233, 65.786
Yxy	21.9338, 0.5225, 0.4228
Android (android.graphics.Color)	4290800641 (0xFFC06C01)
YUV	120.9180, -59.1196, 62.3389
Hunter-Lab	46.8335, 21.3523, 29.1910

Details

The Yxy color **21.9338, 0.5225, 0.4228** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **10.3307, 0.1721, 0.1390**, and the grayscale version is **19.2730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.6058, 0.4846, 0.4150**, and **8.0335, 0.5518, 0.4001** is the 20% darker color. If you saturate the color by 10%, you get **21.8265, 0.5236, 0.4225**, and if you desaturate by 10%, it is **23.8538, 0.5046, 0.4274**.

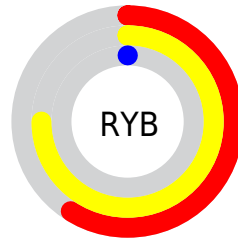
Distribution



Red (75%)

Green (42%)

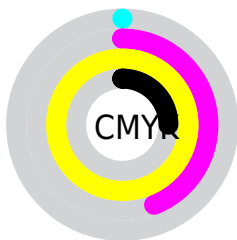
Blue (0%)



Red (59%)

Yellow (75%)

Blue (0%)

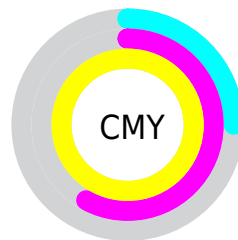


Cyan (0%)

Magenta (44%)

Yellow (99%)

Black (25%)



Cyan (25%)


Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9338, 0.5225, 0.4228 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 21.9338, 0.5225, 0.4228 by changing the saturation by 10% instead.


 21.9338, 0.5225,
0.4228


 21.9338, 0.5225,
0.4228


262.2004, 0.4142,
0.3874


 13.8083, 0.5455,
0.4234


 46.6366, 0.4849,
0.4152

 7.9874, 0.5771,
0.4229


 63.9826, 0.4700,
0.4105


 4.0869, 0.5974,
0.4026

 85.1709, 0.4572,
0.4059

 1.7223, 0.6295,
0.3705

 110.5858, 0.4461,
0.4016

 0.4380, 0.7179,
0.2821

 140.6119, 0.4365,
0.3976

 0.0000, 1.0000,
0.0000


 175.6334, 0.4281,


 0.0000, 0.0000,


0.3939

0.0000


 216.0347, 0.4207,
0.3905


 21.9338, 0.5225,
0.4228


 21.9338, 0.5225,
0.4228


 21.8265, 0.5236,
0.4225

 23.8538, 0.5046,
0.4274

 25.9992, 0.4836,
0.4271

 28.3912, 0.4600,
0.4219

 31.0427, 0.4352,
0.4125

 33.9650, 0.4106,
0.4002

■ 37.1686, 0.3870,
0.3861

■ 40.6632, 0.3652,
0.3713

■ 44.4577, 0.3453,
0.3564

■ 48.5609, 0.3276,
0.3419

Harmonies

Analogous

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



21.9338, 0.5400, 0.3450



21.9338, 0.5225, 0.4228



21.9338, 0.4475, 0.5040

Triad

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



21.9338, 0.5225, 0.4228



21.9338, 0.1640, 0.3662



21.9338, 0.2405, 0.1752

Complementary

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



21.9338, 0.5225, 0.4228



10.3307, 0.1721, 0.1390

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.



21.9338, 0.1664, 0.1638



21.9338, 0.5225, 0.4228



21.9338, 0.1286, 0.2463

Square

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



21.9338, 0.5225, 0.4228



21.9338, 0.2427, 0.5050



21.9338, 0.1308, 0.1835



21.9338, 0.3542, 0.2139

Rectangle

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



21.9338, 0.5225, 0.4228



21.9338, 0.3815, 0.5451



21.9338, 0.1308, 0.1835



21.9338, 0.2111, 0.1682

Sweetspot

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



21.9350, 0.5225, 0.4228



72.9762, 0.3674, 0.3729



11.9192, 0.5161, 0.2621



15.0696, 0.3766, 0.3792



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.



21.9350, 0.5225, 0.4228



39.0403, 0.5256, 0.4209



47.6996, 0.4105, 0.5119



10.9924, 0.3275, 0.3419



14.8451, 0.5219, 0.4238



0.7769, 0.4931, 0.4467

Inverse Universe

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



10.3307, 0.1721, 0.1390



18.0420, 0.1709, 0.1352



3.8994, 0.1517, 0.0612



10.4611, 0.2984, 0.3158



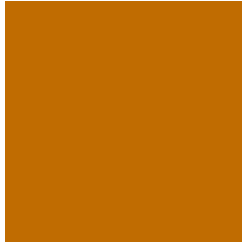
7.0289, 0.1723, 0.1402



0.4408, 0.1845, 0.1841

Previews

White Background



This preview shows how the Yxy color 21.9338, 0.5225, 0.4228 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 21.9338, 0.5225, 0.4228 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 21.9338, 0.5225, 0.4228

Background



This preview shows how black text looks on a background with the Yxy color 21.9338, 0.5225, 0.4228.



This preview shows how white text looks on a background with the Yxy color 21.9338, 0.5225, 0.4228.

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

21.9338, 0.5225, 0.4228

Protanopia

22.1107, 0.4359, 0.4838

Deuteranopia

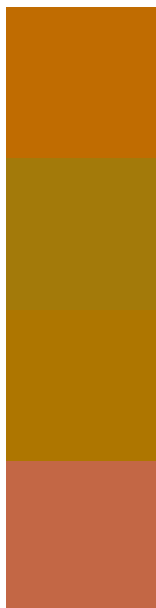
22.0584, 0.4711, 0.4641



Tritanopia

21.9328, 0.4365, 0.3188

Trichromacy



Original Color

21.9338, 0.5225, 0.4228

Protanomaly

21.7275, 0.4690, 0.4607

Deuteranomaly

21.9555, 0.4898, 0.4493

Tritanomaly

21.7323, 0.4861, 0.3716

Monochromacy



Original Color

21.9338, 0.5225, 0.4228

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

19.2296, 0.4041, 0.3961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9338, 0.5225, 0.4228 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(192, 108, 1)` looks like.

```
.text, #text, p{  
    color:rgb(192, 108, 1)  
}
```

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(192, 108, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 108, 1) }
```

Border

The CSS property to change the border of an element to Yxy 21.9338, 0.5225, 0.4228 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(192, 108, 1) }
```

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

```
.border{ border-color:rgb(192, 108, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 108, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 108, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 108, 1);  
box-shadow:4px 4px 4px 4px rgb(192, 108,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9338, 0.5225, 0.4228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 108, 1) }
```

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

```
.background{ background-color: rgb(192,  
108, 1) }
```

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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