

Converting Colors

$Y_{xy}(21.5485, 0.5188, 0.4161)$

Have a look what the booklet for
Yxy(21.5485, 0.5188, 0.4161)
contains.

Yxy(21.4315, 0.5192, 0.4159)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4315, 0.5192, 0.4159)

Conversions

Conversions Part 1

Format	Color
Hex	BF6A13
RGB	191, 106, 19
RGB Percent	75%, 42%, 7%
CMY	0.2510, 0.5843, 0.9253
CMYK	0.00, 0.44, 0.90, 0.25
HSL	30°, 82%, 41%
HSV	30°, 90%, 75%
XYZ	26.7546, 21.4315, 3.3443
YIQ	121.4970, 78.5870, -9.0370

Conversions

Conversions Part 2

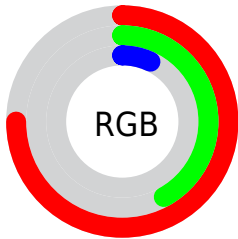
Format	Color
R_{YB}	187, 191, 19
Decimal	12544531
CIE _{Lab}	53.42, 28.47, 57.05
CIE _{LCh}	53, 63.760, 63.483
Yxy	21.4315, 0.5192, 0.4159
Android (android.graphics.Color)	4290734611 (0xFFBF6A13)
YUV	121.4970, -50.5310, 60.9541
Hunter-Lab	46.2942, 22.1450, 28.1228

Details

The Yxy color **21.4315, 0.5192, 0.4159** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.8019, 0.1837, 0.1734**, and the grayscale version is **19.4408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8308, 0.4807, 0.4082**, and **7.7515, 0.5550, 0.3975** is the 20% darker color. If you saturate the color by 10%, you get **19.5510, 0.5393, 0.4100**, and if you desaturate by 10%, it is **23.5801, 0.4957, 0.4172**.

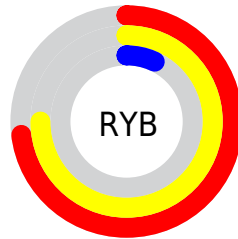
Distribution



Red (75%)

Green (42%)

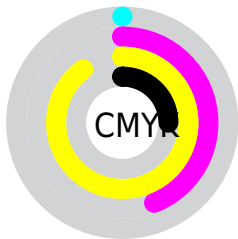
Blue (7%)



Red (73%)

Yellow (75%)

Blue (7%)

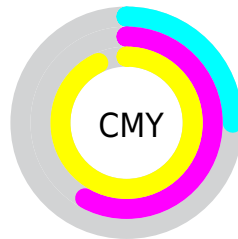


Cyan (0%)

Magenta (44%)

Yellow (90%)

Black (25%)



Cyan (25%)


Magenta (58%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4315, 0.5192, 0.4159 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 21.4315, 0.5192, 0.4159 by changing the saturation by 10% instead.


 21.4315, 0.5192,
0.4159

 21.4315, 0.5192,
0.4159


259.5629, 0.4105,
0.3824


 13.4398, 0.5436,
0.4169


 45.8046, 0.4806,
0.4083


 7.7321, 0.5794,
0.4184


 62.9547, 0.4656,
0.4039

 3.9240, 0.6020,
0.3980

 83.9264, 0.4528,
0.3996

 1.6311, 0.6357,
0.3643

 109.1042, 0.4418,
0.3955

 0.3785, 0.7393,
0.2607

 138.8723, 0.4323,
0.3918

 0.0000, 1.0000,
0.0000


 173.6152, 0.4241,


 0.0000, 0.0000,


0.3883


0.0000


 213.7172, 0.4169,
0.3852


 21.4315, 0.5192,
0.4159


 21.4315, 0.5192,
0.4159


 19.5510, 0.5393,
0.4100

 23.5801, 0.4957,
0.4172

 26.0116, 0.4696,
0.4134

 28.7418, 0.4424,
0.4054

 31.7841, 0.4158,
0.3944

 35.1505, 0.3906,
0.3817

■ 38.8523, 0.3676,
0.3682

■ 42.9003, 0.3470,
0.3547

■ 47.3043, 0.3288,
0.3415

■ 52.0741, 0.3128,
0.3290

Harmonies

Analogous

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



21.4315, 0.5288, 0.3406



21.4315, 0.5192, 0.4159



21.4315, 0.4512, 0.4936

Triad

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



21.4315, 0.5192, 0.4159



21.4315, 0.1743, 0.3757



21.4315, 0.2366, 0.1783

Complementary

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



21.4315, 0.5192, 0.4159



13.8019, 0.1837, 0.1734

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.



21.4315, 0.1674, 0.1695



21.4315, 0.5192, 0.4159



21.4315, 0.1359, 0.2573

Square

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



21.4315, 0.5192, 0.4159



21.4315, 0.2537, 0.5035



21.4315, 0.1352, 0.1919



21.4315, 0.3436, 0.2142

Rectangle

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



21.4315, 0.5192, 0.4159



21.4315, 0.3887, 0.5336



21.4315, 0.1352, 0.1919



21.4315, 0.2091, 0.1723

Sweetspot

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



21.4326, 0.5192, 0.4159



71.4256, 0.3620, 0.3647



12.5614, 0.4726, 0.2447



15.1538, 0.3695, 0.3694



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.



21.4326, 0.5192, 0.4159



34.5354, 0.5416, 0.4081



48.3753, 0.4171, 0.5016



10.3125, 0.3276, 0.3406



13.0127, 0.5373, 0.4116



0.6405, 0.5018, 0.4398

Inverse Universe

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



13.8019, 0.1837, 0.1734



20.7127, 0.1758, 0.1528



4.3668, 0.1551, 0.0684



9.9830, 0.2984, 0.3171



7.9389, 0.1772, 0.1578



0.4419, 0.1894, 0.2019

Previews

White Background



This preview shows how the Yxy color 21.4315, 0.5192, 0.4159 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 21.4315, 0.5192, 0.4159 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 21.4315, 0.5192, 0.4159

Background



This preview shows how black text looks on a background with the Yxy color 21.4315, 0.5192, 0.4159.



This preview shows how white text looks on a background with the Yxy color 21.4315, 0.5192, 0.4159.

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

21.4315, 0.5192, 0.4159

Protanopia

21.4378, 0.4323, 0.4778

Deuteranopia

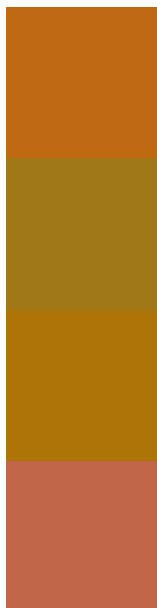
21.6004, 0.4703, 0.4648



Tritanopia

21.5664, 0.4389, 0.3201

Trichromacy



Original Color

21.4315, 0.5192, 0.4159

Protanomaly

21.0719, 0.4650, 0.4543

Deuteranomaly

21.3904, 0.4900, 0.4457

Tritanomaly

21.4665, 0.4799, 0.3649

Monochromacy



Original Color

21.4315, 0.5192, 0.4159

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.3497, 0.3940, 0.3828

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4315, 0.5192, 0.4159 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, 106, 19)` looks like.

```
.text, #text, p{  
    color:rgb(191, 106, 19)  
}
```

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, 106, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 106, 19) }
```

Border

The CSS property to change the border of an element to Yxy 21.4315, 0.5192, 0.4159 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, 106, 19) }
```

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

```
.border{ border-color:rgb(191, 106, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 106, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 106, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 106, 19);  
box-shadow:4px 4px 4px 4px rgb(191, 106,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4315, 0.5192, 0.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 106, 19) }
```

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

```
.background{ background-color: rgb(191,  
106, 19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor