

Converting Colors

$Y_{xy}(19.8336, 0.5343, 0.4090)$

Have a look what the booklet for
Yxy(19.8336, 0.5343, 0.4090)
contains.

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Color

Yxy(19.8336, 0.5343, 0.4090)

Conversions

Conversions Part 1

Format	Color
Hex	BF620A
RGB	191, 98, 10
RGB Percent	75%, 38%, 4%
CMY	0.2510, 0.6157, 0.9608
CMYK	0.00, 0.49, 0.95, 0.25
HSL	29°, 90%, 39%
HSV	29°, 95%, 75%
XYZ	25.9098, 19.8336, 2.7495
YIQ	115.7750, 83.6760, -7.6520

Conversions

Conversions Part 2

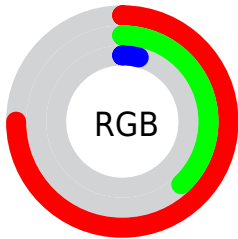
Format	Color
RYB	191, 181, 10
Decimal	12542474
CIELab	51.65, 32.61, 57.96
CIELCh	52, 66.503, 60.636
Yxy	19.8336, 0.5343, 0.4090
Android (android.graphics.Color)	4290732554 (0xFFBF620A)
YUV	115.7750, -52.1471, 65.9723
Hunter-Lab	44.5349, 25.9125, 27.5139

Details

The Yxy color **19.8336, 0.5343, 0.4090** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.5274, 0.1819, 0.1711**, and the grayscale version is **17.5364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1127, 0.4921, 0.4044**, and **7.0219, 0.5720, 0.3840** is the 20% darker color. If you saturate the color by 10%, you get **18.8823, 0.5451, 0.4054**, and if you desaturate by 10%, it is **21.8526, 0.5117, 0.4134**.

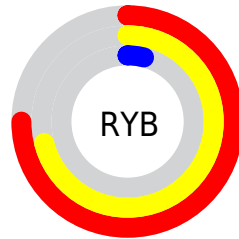
Distribution



Red (75%)

Green (38%)

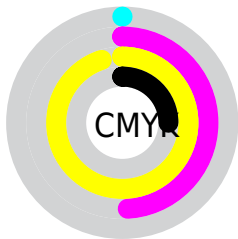
Blue (4%)



Red (75%)

Yellow (71%)

Blue (4%)

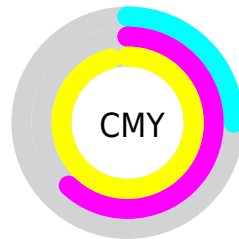


Cyan (0%)

Magenta (49%)

Yellow (95%)

Black (25%)



Cyan (25%)


Magenta (62%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8336, 0.5343, 0.4090 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 19.8336, 0.5343, 0.4090 by changing the saturation by 10% instead.


 19.8336, 0.5343,
0.4090


 19.8336, 0.5343,
0.4090

251.0129, 0.4169,
0.3811


 12.2741, 0.5605,
0.4074


 43.1380, 0.4926,
0.4043


 6.9307, 0.5966,
0.4034


 59.6518, 0.4763,
0.4006


 3.4188, 0.6221,
0.3779

 79.9191, 0.4625,
0.3969

 1.3541, 0.6626,
0.3374

 104.3244, 0.4507,
0.3933


 0.1825, 0.8425,
0.1575


 133.2520, 0.4404,
0.3899


 0.0000, 0.0000,
0.0000

 167.0864, 0.4315,


0.3867


 206.2118, 0.4237,
0.3838

 19.8336, 0.5343,
0.4090

 19.8336, 0.5343,
0.4090


 18.8823, 0.5451,
0.4054

 21.8526, 0.5117,
0.4134

 24.1620, 0.4856,
0.4123

 26.7797, 0.4578,
0.4065

 29.7203, 0.4299,
0.3972

 32.9973, 0.4033,
0.3857

■ 36.6232, 0.3788,
0.3729

■ 40.6096, 0.3568,
0.3598

■ 44.9674, 0.3372,
0.3470

■ 49.7072, 0.3201,
0.3346

Harmonies

Analogous

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



19.8336, 0.5395, 0.3316



19.8336, 0.5343, 0.4090



19.8336, 0.4647, 0.4927

Triad

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



19.8336, 0.5343, 0.4090



19.8336, 0.1717, 0.3926



19.8336, 0.2230, 0.1687

Complementary

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



19.8336, 0.5343, 0.4090



13.5274, 0.1819, 0.1711

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.



19.8336, 0.1552, 0.1620



19.8336, 0.5343, 0.4090



19.8336, 0.1287, 0.2608

Square

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



19.8336, 0.5343, 0.4090



19.8336, 0.2579, 0.5274



19.8336, 0.1252, 0.1880



19.8336, 0.3329, 0.2033

Rectangle

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



19.8336, 0.5343, 0.4090



19.8336, 0.3996, 0.5406



19.8336, 0.1252, 0.1880



19.8336, 0.1957, 0.1632

Sweetspot

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



19.8347, 0.5343, 0.4090



70.0250, 0.3646, 0.3647



12.2840, 0.4773, 0.2436



14.6972, 0.3743, 0.3704



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.



19.8347, 0.5343, 0.4090



33.3328, 0.5475, 0.4035



47.0616, 0.4210, 0.5013



10.2814, 0.3277, 0.3402



12.5682, 0.5430, 0.4071



0.6233, 0.5058, 0.4366

Inverse Universe

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



13.5274, 0.1819, 0.1711



21.9397, 0.1776, 0.1594



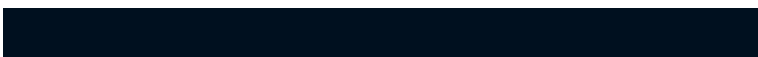
4.1146, 0.1527, 0.0649



10.0142, 0.2984, 0.3176



8.3918, 0.1790, 0.1643



0.4593, 0.1909, 0.2071

Previews

White Background



This preview shows how the Yxy color 19.8336, 0.5343, 0.4090 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 19.8336, 0.5343, 0.4090 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 19.8336, 0.5343, 0.4090

Background



This preview shows how black text looks on a background with the Yxy color 19.8336, 0.5343, 0.4090.



This preview shows how white text looks on a background with the Yxy color 19.8336, 0.5343, 0.4090.

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

19.8336, 0.5343, 0.4090

Protanopia

19.9513, 0.4337, 0.4814

Deuteranopia

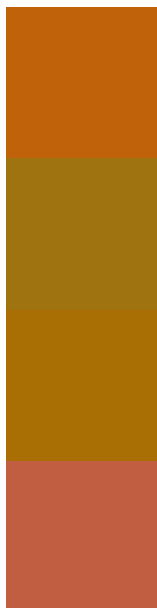
19.7905, 0.4709, 0.4643



Tritanopia

19.8146, 0.4568, 0.3216

Trichromacy



Original Color

19.8336, 0.5343, 0.4090

Protanomaly

19.5680, 0.4717, 0.4541

Deuteranomaly

19.5956, 0.4958, 0.4424

Tritanomaly

19.7245, 0.4985, 0.3649

Monochromacy



Original Color

19.8336, 0.5343, 0.4090

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.3127, 0.4043, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8336, 0.5343, 0.4090 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, 98, 10)` looks like.

```
.text, #text, p{  
    color:rgb(191, 98, 10)  
}
```

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, 98, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 98, 10) }
```

Border

The CSS property to change the border of an element to Yxy 19.8336, 0.5343, 0.4090 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, 98, 10) }
```

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

```
.border{ border-color:rgb(191, 98, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 98, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 98, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 98, 10);  
box-shadow:4px 4px 4px 4px rgb(191, 98,  
10) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8336, 0.5343, 0.4090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 98, 10) }
```

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

```
.background{ background-color: rgb(191, 98,  
10) }
```

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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