

Converting Colors

$Y_{xy}(23.3085, 0.5120, 0.4316)$

Have a look what the booklet for
Yxy(23.3085, 0.5120, 0.4316)
contains.

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Color

Yxy(23.3378, 0.5114, 0.4322)

Conversions

Conversions Part 1

Format	Color
Hex	BF7300
RGB	191, 115, 0
RGB Percent	75%, 45%, 0%
CMY	0.2510, 0.5490, 1.0000
CMYK	0.00, 0.40, 1.00, 0.25
HSL	36°, 100%, 37%
HSV	36°, 100%, 75%
XYZ	27.6144, 23.3378, 3.0455
YIQ	124.6140, 82.2110, -19.6530

Conversions

Conversions Part 2

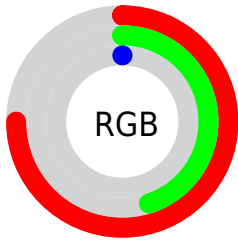
Format	Color
R_{YB}	126, 191, 0
Decimal	12546816
CIE _{Lab}	55.42, 23.32, 62.43
CIE _{LCh}	55, 66.639, 69.516
Yxy	23.3378, 0.5114, 0.4322
Android (android.graphics.Color)	4290736896 (0xFFBF7300)
YUV	124.6140, -61.4347, 58.2205
Hunter-Lab	48.3092, 17.4927, 30.0787

Details

The Yxy color **23.3378, 0.5114, 0.4322** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **8.9272, 0.1681, 0.1252**, and the grayscale version is **20.5625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9134, 0.4772, 0.4220**, and **8.7217, 0.5355, 0.4130** is the 20% darker color. If you saturate the color by 10%, you get **23.3393, 0.5114, 0.4322**, and if you desaturate by 10%, it is **25.1918, 0.4954, 0.4358**.

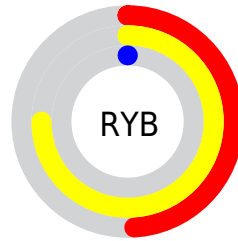
Distribution



Red (75%)

Green (45%)

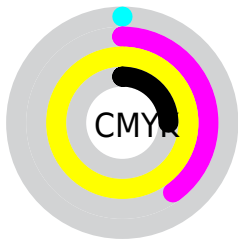
Blue (0%)



Red (49%)

Yellow (75%)

Blue (0%)

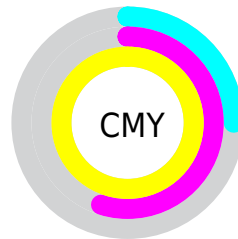


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (25%)



Cyan (25%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3378, 0.5114, 0.4322 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 23.3378, 0.5114, 0.4322 by changing the saturation by 10% instead.


 23.3378, 0.5114,
0.4322


 23.3378, 0.5114,
0.4322


269.4553, 0.4103,
0.3910


 14.8431, 0.5324,
0.4348


 48.9474, 0.4767,
0.4221


 8.7094, 0.5620,
0.4380


 66.8311, 0.4628,
0.4166

 4.5521, 0.5787,
0.4213

 88.6133, 0.4508,
0.4114

 1.9869, 0.6049,
0.3951

 114.6784, 0.4404,
0.4066

 0.5999, 0.6622,
0.3378

 145.4107, 0.4314,
0.4021

 0.0000, 1.0000,
0.0000

 181.1947, 0.4235,

 0.0000, 0.0000,


0.3981


0.0000


 222.4148, 0.4165,
0.3944

 23.3378, 0.5114,
0.4322


 23.3378, 0.5114,
0.4322


 23.3393, 0.5114,
0.4322

 25.1918, 0.4954,
0.4358

 27.2369, 0.4766,
0.4350

 29.4947, 0.4552,
0.4291

 31.9768, 0.4323,
0.4190

 34.6933, 0.4091,
0.4060

■ 37.6535, 0.3867,
0.3911

■ 40.8659, 0.3655,
0.3753

■ 44.3386, 0.3461,
0.3593

■ 48.0788, 0.3285,
0.3438

Harmonies

Analogous

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



23.3378, 0.5362, 0.3549



23.3378, 0.5114, 0.4322



23.3378, 0.4342, 0.5096

Triad

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



23.3378, 0.5114, 0.4322



23.3378, 0.1611, 0.3484



23.3378, 0.2545, 0.1818

Complementary

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



23.3378, 0.5114, 0.4322



8.9272, 0.1681, 0.1252

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.



23.3378, 0.1765, 0.1671



23.3378, 0.5114, 0.4322



23.3378, 0.1310, 0.2384

Square

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



23.3378, 0.5114, 0.4322



23.3378, 0.2336, 0.4851



23.3378, 0.1370, 0.1826



23.3378, 0.3687, 0.2229

Rectangle

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



23.3378, 0.5114, 0.4322



23.3378, 0.3685, 0.5438



23.3378, 0.1370, 0.1826



23.3378, 0.2239, 0.1738

Sweetspot

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



23.3393, 0.5114, 0.4322



72.9153, 0.3665, 0.3760



11.6025, 0.5384, 0.2740



15.4619, 0.3753, 0.3828



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.



23.3393, 0.5114, 0.4322



41.3170, 0.5132, 0.4308



46.0160, 0.4018, 0.5191



10.4661, 0.3274, 0.3428



15.5007, 0.5098, 0.4334



0.7317, 0.4827, 0.4549

Inverse Universe

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



8.9272, 0.1681, 0.1252



15.5474, 0.1674, 0.1225



3.9006, 0.1533, 0.0618



9.8315, 0.2984, 0.3148



6.0154, 0.1688, 0.1277



0.3640, 0.1825, 0.1768

Previews

White Background



This preview shows how the Yxy color 23.3378, 0.5114, 0.4322 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



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 23.3378, 0.5114, 0.4322

Background



This preview shows how black text looks on a background with the Yxy color 23.3378, 0.5114, 0.4322.



This preview shows how white text looks on a background with the Yxy color 23.3378, 0.5114, 0.4322.

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

23.3378, 0.5114, 0.4322

Protanopia

23.5659, 0.4359, 0.4849

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.3553, 0.4209, 0.3186

Trichromacy



Original Color

23.3378, 0.5114, 0.4322

Protanomaly

23.1978, 0.4643, 0.4652

Deuteranomaly

23.1492, 0.4859, 0.4524

Tritanomaly

23.1022, 0.4730, 0.3765

Monochromacy



Original Color

23.3378, 0.5114, 0.4322

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.6435, 0.3992, 0.3985

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3378, 0.5114, 0.4322 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, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 115, 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, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 115, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.3378, 0.5114, 0.4322 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, 115, 0) }
```

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

```
.border{ border-color:rgb(191, 115, 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, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 115,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 23.3378, 0.5114, 0.4322 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 115, 0) }
```

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

```
.background{ background-color: rgb(191,  
115, 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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