

Converting Colors

$Y_{xy}(15.1199, 0.3496, 0.6069)$

Have a look what the booklet for
Yxy(15.1199, 0.3496, 0.6069)
contains.

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Color

Yxy(15.0957, 0.3363, 0.5712)

Conversions

Conversions Part 1

Format	Color
Hex	3B7B00
RGB	59, 123, 0
RGB Percent	23%, 48%, 0%
CMY	0.7685, 0.5177, 1.0000
CMYK	0.52, 0.00, 1.00, 0.52
HSL	91°, 100%, 24%
HSV	91°, 100%, 48%
XYZ	8.8878, 15.0957, 2.4446
YIQ	89.8420, 1.3390, -51.8210

Conversions

Conversions Part 2

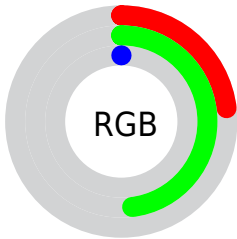
Format	Color
RYB	0, 123, 64
Decimal	3898112
CIELab	45.76, -39.28, 50.07
CIELCh	46, 63.641, 128.117
Yxy	15.0957, 0.3363, 0.5712
Android (android.graphics.Color)	4282088192 (0xFF3B7B00)
YUV	89.8420, -44.2921, -27.0484
Hunter-Lab	38.8532, -27.1608, 23.4668

Details

The Yxy color **15.0957, 0.3363, 0.5712** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.5190, 0.2096, 0.0928**, and the grayscale version is **10.2899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9870, 0.3407, 0.5102**, and **4.7651, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **15.0964, 0.3363, 0.5712**, and if you desaturate by 10%, it is **15.3314, 0.3402, 0.5572**.

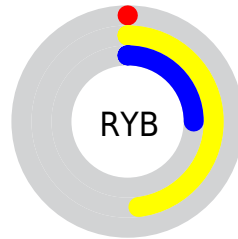
Distribution



Red (23%)

Green (48%)

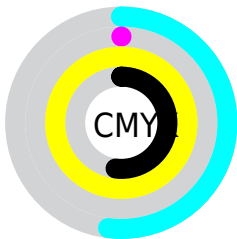
Blue (0%)



Red (0%)

Yellow (48%)

Blue (25%)

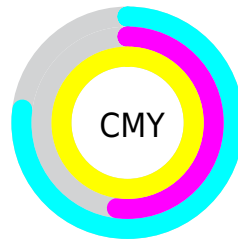


Cyan (52%)

Magenta (0%)

Yellow (100%)

Black (52%)



Cyan (77%)


Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0957, 0.3363, 0.5712 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 15.0957, 0.3363, 0.5712 by changing the saturation by 10% instead.


 15.0957, 0.3363,
0.5712


 15.0957, 0.3363,
0.5712


223.9447, 0.3337,
0.4228


 8.8866, 0.3276,
0.6162


 35.0210, 0.3404,
0.5105


 4.6673, 0.3123,
0.6877

 49.5059, 0.3401,
0.4897

 2.0534, 0.2542,
0.7458

 67.5183, 0.3392,
0.4729

 0.6382, 0.0000,
1.0000


 89.4424, 0.3381,
0.4592

 0.0000, 0.0000,
0.0000

 115.6627, 0.3370,
0.4477

 146.5636, 0.3358,

0.4381


 182.5295, 0.3348,
0.4299


 15.0957, 0.3363,
0.5712


 15.0957, 0.3363,
0.5712


 15.0964, 0.3363,
0.5712

 15.3314, 0.3402,
0.5572

 15.6051, 0.3430,
0.5399

 15.9276, 0.3438,
0.5178

 16.3026, 0.3427,
0.4921

 16.7329, 0.3399,
0.4641

■ 17.2214, 0.3357,
0.4352

■ 17.7708, 0.3306,
0.4065

■ 18.3833, 0.3249,
0.3789

■ 19.0612, 0.3188,
0.3530

Harmonies

Analogous

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



15.0957, 0.4439, 0.5177



15.0957, 0.3363, 0.5712



15.0957, 0.2286, 0.5104

Triad

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



15.0957, 0.3363, 0.5712



15.0957, 0.1237, 0.1722



15.0957, 0.4947, 0.2752

Complementary

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



15.0957, 0.3363, 0.5712



2.5190, 0.2096, 0.0928

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.



15.0957, 0.3670, 0.2117



15.0957, 0.3363, 0.5712



15.0957, 0.1630, 0.1553

Square

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



15.0957, 0.3363, 0.5712



15.0957, 0.1183, 0.2325



15.0957, 0.2436, 0.1696



15.0957, 0.5558, 0.3487

Rectangle

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



15.0957, 0.3363, 0.5712



15.0957, 0.1714, 0.4090



15.0957, 0.2436, 0.1696



15.0957, 0.4562, 0.2524

Sweetspot

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



15.0964, 0.3363, 0.5712



31.7471, 0.3310, 0.4086



7.8271, 0.5310, 0.4166



7.3939, 0.3329, 0.4185



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.0964, 0.3363, 0.5712



26.9494, 0.3346, 0.5725



14.1702, 0.2995, 0.5983



4.5355, 0.3183, 0.3506



15.6141, 0.3362, 0.5713



73.9799, 0.3326, 0.5741

Inverse Universe

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



2.5190, 0.2096, 0.0928



4.4251, 0.2073, 0.0916



5.5901, 0.3250, 0.1564



3.9865, 0.3068, 0.3074



2.6027, 0.2095, 0.0928



11.9058, 0.2045, 0.0900

Previews

White Background



This preview shows how the Yxy color 15.0957, 0.3363, 0.5712 looks on a white 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

Black Background



This preview shows how the Yxy color 15.0957, 0.3363, 0.5712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

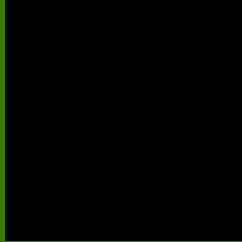
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.0957, 0.3363, 0.5712

Background



This preview shows how black text looks on a background with the Yxy color 15.0957, 0.3363, 0.5712.



This preview shows how white text looks on a background with the Yxy color 15.0957, 0.3363, 0.5712.

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

15.0957, 0.3363, 0.5712

Protanopia

14.8627, 0.4402, 0.4887

Deuteranopia

14.8072, 0.4588, 0.4505



Tritanopia

15.0264, 0.2581, 0.3069

Trichromacy



Original Color

15.0957, 0.3363, 0.5712

Protanomaly

14.4629, 0.3986, 0.5217

Deuteranomaly

14.3774, 0.4106, 0.4980

Tritanomaly

14.5892, 0.2980, 0.4222

Monochromacy



Original Color

15.0957, 0.3363, 0.5712

Achromatopsia

10.2242, 0.3127, 0.3290

Achromatomaly

11.4604, 0.3378, 0.4442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0957, 0.3363, 0.5712 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(59, 123, 0)` looks like.

```
.text, #text, p{  
    color:rgb(59, 123, 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(59, 123, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 123, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.0957, 0.3363, 0.5712 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(59, 123, 0) }
```

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

```
.border{ border-color:rgb(59, 123, 0) }
```

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

Here you see how a box with a 4 pixel rgb(59, 123, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 123, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 123, 0);  
box-shadow:4px 4px 4px 4px rgb(59, 123, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0957, 0.3363, 0.5712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 123, 0) }
```

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

```
.background{ background-color: rgb(59, 123,  
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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