

Converting Colors

$Y_{xy}(12.6121, 0.6165, 0.3487)$

Have a look what the booklet for
Yxy(12.6121, 0.6165, 0.3487)
contains.

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Color

Yxy(12.5939, 0.6162, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	BF2800
RGB	191, 40, 0
RGB Percent	75%, 16%, 0%
CMY	0.2510, 0.8430, 0.9998
CMYK	0.00, 0.79, 1.00, 0.25
HSL	13°, 100%, 37%
HSV	13°, 100%, 75%
XYZ	22.2424, 12.5939, 1.2598
YIQ	80.5890, 102.8360, 19.5720

Conversions

Conversions Part 2

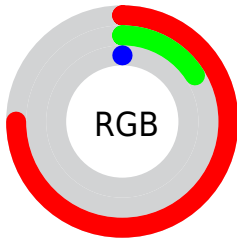
Format	Color
RYB	191, 51, 0
Decimal	12527616
CIELab	42.14, 57.49, 55.02
CIELCh	42, 79.575, 43.738
Yxy	12.5939, 0.6162, 0.3489
Android (android.graphics.Color)	4290717696 (0xFFBF2800)
YUV	80.5890, -39.7304, 96.8304
Hunter-Lab	35.4879, 49.7728, 22.7368

Details

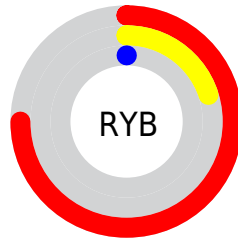
The Yxy color **12.5939, 0.6162, 0.3489** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **25.8923, 0.2056, 0.2601**, and the grayscale version is **8.2120, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4500, 0.5537, 0.3636**, and **4.5892, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.5923, 0.6162, 0.3489**, and if you desaturate by 10%, it is **13.8672, 0.5901, 0.3562**.

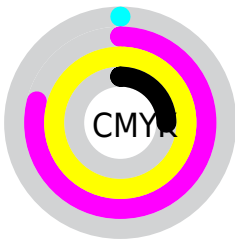
Distribution



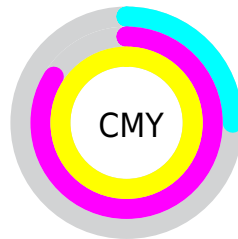
- Red (75%)
- Green (16%)
- Blue (0%)



- Red (75%)
- Yellow (20%)
- Blue (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (100%)
- Black (25%)





- Cyan (25%)
- Magenta (84%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5939, 0.6162, 0.3489 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 12.5939, 0.6162, 0.3489 by changing the saturation by 10% instead.


 12.5939, 0.6162,
0.3489


 12.5939, 0.6162,
0.3489


 208.2984, 0.4465,
0.3627


 7.1495, 0.6635,
0.3352


 30.5723, 0.5544,
0.3636


 3.5558, 0.7003,
0.2997

 43.8750, 0.5307,
0.3659

 1.4283, 0.7527,
0.2473

 60.5660, 0.5107,
0.3666

 0.2375, 0.8889,
0.1111

 81.0296, 0.4937,
0.3665

 0.0000, 1.0000,
0.0000


 105.6503, 0.4793,
0.3658


 0.0000, 0.0000,
0.0000


 134.8124, 0.4668,

0.3649


 168.9003, 0.4560,
0.3638


 12.5939, 0.6162,
0.3489


 12.5939, 0.6162,
0.3489


 12.5923, 0.6162,
0.3489

 13.8672, 0.5901,
0.3562

 15.6256, 0.5556,
0.3611

 17.9226, 0.5157,
0.3624

 20.7995, 0.4750,
0.3606

 24.2928, 0.4369,
0.3566

■ 28.4364, 0.4031,
0.3513

■ 33.2614, 0.3741,
0.3456

■ 38.7969, 0.3497,
0.3398

■ 45.0704, 0.3295,
0.3342

Harmonies

Analogous

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



12.5939, 0.5737, 0.2695



12.5939, 0.6162, 0.3489



12.5939, 0.5510, 0.4490

Triad

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



12.5939, 0.6162, 0.3489



12.5939, 0.1744, 0.5460



12.5939, 0.1436, 0.1215

Complementary

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



12.5939, 0.6162, 0.3489



25.8923, 0.2056, 0.2601

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.



12.5939, 0.0937, 0.1303



12.5939, 0.6162, 0.3489



12.5939, 0.1000, 0.3182

Square

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



12.5939, 0.6162, 0.3489



12.5939, 0.2941, 0.6509



12.5939, 0.0794, 0.1825



12.5939, 0.2475, 0.1436

Rectangle

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



12.5939, 0.6162, 0.3489



12.5939, 0.4716, 0.5284



12.5939, 0.0794, 0.1825



12.5939, 0.1221, 0.1208

Sweetspot

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



12.5947, 0.6162, 0.3489



59.1214, 0.3754, 0.3459



13.3687, 0.3792, 0.1862



12.1447, 0.3873, 0.3484



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.



12.5947, 0.6162, 0.3489



22.2767, 0.6185, 0.3471



28.0429, 0.4846, 0.4534



9.8515, 0.3283, 0.3339



8.3733, 0.6141, 0.3506



0.4243, 0.5681, 0.3871

Inverse Universe

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



25.8923, 0.2056, 0.2601



46.0108, 0.2053, 0.2589



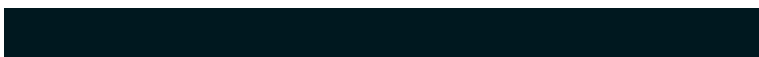
6.7198, 0.1610, 0.0994



10.4610, 0.2985, 0.3241



17.1357, 0.2059, 0.2611



0.7580, 0.2109, 0.2791

Previews

White Background



This preview shows how the Yxy color 12.5939, 0.6162, 0.3489 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 12.5939, 0.6162, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

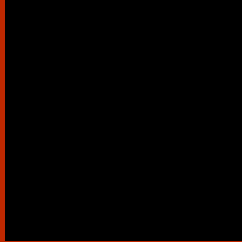
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.5939, 0.6162, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 12.5939, 0.6162, 0.3489.



This preview shows how white text looks on a background with the Yxy color 12.5939, 0.6162, 0.3489.

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

12.5939, 0.6162, 0.3489

Protanopia

12.8799, 0.4274, 0.4738

Deuteranopia

12.8778, 0.4684, 0.4663



Tritanopia

12.5962, 0.5908, 0.3306

Trichromacy



Original Color

12.5939, 0.6162, 0.3489

Protanomaly

11.2892, 0.5125, 0.4173

Deuteranomaly

11.6529, 0.5364, 0.4123

Tritanomaly

12.5934, 0.6034, 0.3396

Monochromacy



Original Color

12.5939, 0.6162, 0.3489

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.2093, 0.4556, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5939, 0.6162, 0.3489 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, 40, 0)` looks like.

```
.text, #text, p{  
    color:rgb(191, 40, 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, 40, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 40, 0) }
```

Border

The CSS property to change the border of an element to Yxy 12.5939, 0.6162, 0.3489 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, 40, 0) }
```

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

```
.border{ border-color:rgb(191, 40, 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, 40, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 40, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 40, 0);  
box-shadow:4px 4px 4px 4px rgb(191, 40, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.5939, 0.6162, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 40, 0) }
```

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

```
.background{ background-color: rgb(191, 40,  
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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