

Converting Colors

$Y_{xy}(16.3562, 0.5596, 0.3939)$

Have a look what the booklet for
Yxy(16.3562, 0.5596, 0.3939)
contains.

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Color

Yxy(16.3240, 0.5596, 0.3939)

Conversions

Conversions Part 1

Format	Color
Hex	BA5100
RGB	186, 81, 0
RGB Percent	73%, 32%, 0%
CMY	0.2706, 0.6823, 1.0000
CMYK	0.00, 0.56, 1.00, 0.27
HSL	26°, 100%, 36%
HSV	26°, 100%, 73%
XYZ	23.1909, 16.3240, 1.9271
YIQ	103.1610, 88.5810, -2.9310

Conversions

Conversions Part 2

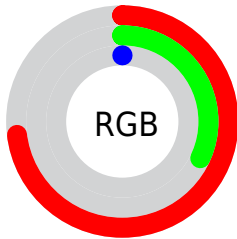
Format	Color
R _Y B	186, 143, 0
Decimal	12210432
CIE Lab	47.40, 39.18, 57.18
CIE LCh	47, 69.317, 55.586
Yxy	16.3240, 0.5596, 0.3939
Android (android.graphics.Color)	4290400512 (0xFFBA5100)
YUV	103.1610, -50.8584, 72.6498
Hunter-Lab	40.4030, 31.7522, 25.4542

Details

The Yxy color **16.3240, 0.5596, 0.3939** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.6443, 0.1833, 0.1797**, and the grayscale version is **13.7296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2410, 0.5112, 0.3944**, and **5.2885, 0.6044, 0.3583** is the 20% darker color. If you saturate the color by 10%, you get **16.3250, 0.5596, 0.3939**, and if you desaturate by 10%, it is **18.0537, 0.5365, 0.4011**.

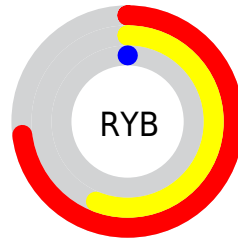
Distribution



Red (73%)

Green (32%)

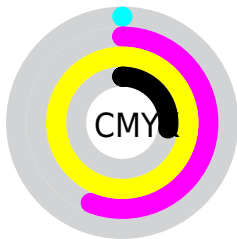
Blue (0%)



Red (73%)

Yellow (56%)

Blue (0%)

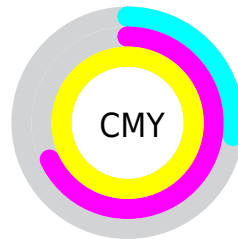


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (68%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3240, 0.5596, 0.3939 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 16.3240, 0.5596, 0.3939 by changing the saturation by 10% instead.


 16.3240, 0.5596,
0.3939


 16.3240, 0.5596,
0.3939


 231.2461, 0.4256,
0.3768


 9.7537, 0.5914,
0.3883


 37.1598, 0.5115,
0.3946


 5.2360, 0.6271,
0.3729

 52.1941, 0.4929,
0.3925

 2.3864, 0.6618,
0.3382

 70.8185, 0.4771,
0.3899

 0.8189, 0.7183,
0.2817

 93.4174, 0.4637,
0.3871


 0.0000, 1.0000,
0.0000

 120.3752, 0.4521,
0.3843

 0.0000, 0.0000,
0.0000


 152.0763, 0.4421,


0.3817

 188.9051, 0.4333,
0.3791

 16.3240, 0.5596,
0.3939


 16.3240, 0.5596,
0.3939


 16.3250, 0.5596,
0.3939

 18.0537, 0.5365,
0.4011

 20.0776, 0.5096,
0.4038

 22.4224, 0.4799,
0.4014

 25.1053, 0.4496,
0.3949

 28.1417, 0.4203,
0.3855

■ 31.5461, 0.3933,
0.3745

■ 35.3317, 0.3690,
0.3628

■ 39.5111, 0.3475,
0.3511

■ 44.0962, 0.3289,
0.3397

Harmonies

Analogous

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



16.3240, 0.5545, 0.3144



16.3240, 0.5596, 0.3939



16.3240, 0.4887, 0.4851

Triad

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



16.3240, 0.5596, 0.3939



16.3240, 0.1699, 0.4286



16.3240, 0.1989, 0.1532

Complementary

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



16.3240, 0.5596, 0.3939



13.6443, 0.1833, 0.1797

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.



16.3240, 0.1351, 0.1508



16.3240, 0.5596, 0.3939



16.3240, 0.1183, 0.2712

Square

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



16.3240, 0.5596, 0.3939



16.3240, 0.2674, 0.5690



16.3240, 0.1097, 0.1836



16.3240, 0.3107, 0.1848

Rectangle

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



16.3240, 0.5596, 0.3939



16.3240, 0.4195, 0.5455



16.3240, 0.1097, 0.1836



16.3240, 0.1726, 0.1490

Sweetspot

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



16.3250, 0.5596, 0.3939



63.6882, 0.3701, 0.3634



11.4664, 0.4679, 0.2351



13.3692, 0.3801, 0.3684



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



16.3250, 0.5596, 0.3939



29.1300, 0.5623, 0.3918



40.5539, 0.4315, 0.4956



9.6385, 0.3277, 0.3390



11.1274, 0.5574, 0.3956



0.5158, 0.5131, 0.4308

Inverse Universe

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



13.6443, 0.1833, 0.1797



24.2418, 0.1826, 0.1772



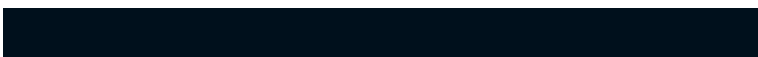
3.8176, 0.1512, 0.0641



9.5379, 0.2985, 0.3188



9.3314, 0.1838, 0.1818



0.4497, 0.1955, 0.2237

Previews

White Background



This preview shows how the Yxy color 16.3240, 0.5596, 0.3939 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 16.3240, 0.5596, 0.3939 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 16.3240, 0.5596, 0.3939

Background



This preview shows how black text looks on a background with the Yxy color 16.3240, 0.5596, 0.3939.



This preview shows how white text looks on a background with the Yxy color 16.3240, 0.5596, 0.3939.

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

16.3240, 0.5596, 0.3939

Protanopia

16.4431, 0.4346, 0.4791

Deuteranopia

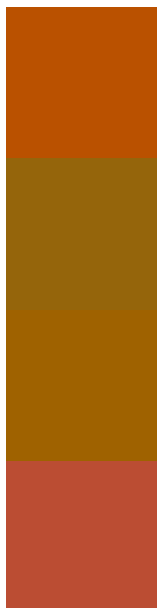
16.3550, 0.4709, 0.4643



Tritanopia

16.3027, 0.4898, 0.3232

Trichromacy



Original Color

16.3240, 0.5596, 0.3939

Protanomaly

15.7211, 0.4849, 0.4456

Deuteranomaly

16.1063, 0.5059, 0.4365

Tritanomaly

16.1116, 0.5295, 0.3593

Monochromacy



Original Color

16.3240, 0.5596, 0.3939

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.5643, 0.4177, 0.3842

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3240, 0.5596, 0.3939 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(186, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(186, 81, 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(186, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 81, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.3240, 0.5596, 0.3939 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(186, 81, 0) }
```

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

```
.border{ border-color:rgb(186, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 81, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 81, 0);  
box-shadow:4px 4px 4px 4px rgb(186, 81, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.3240, 0.5596, 0.3939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 81, 0) }
```

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

```
.background{ background-color: rgb(186, 81,  
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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