

Converting Colors

$Y_{xy}(16.0009, 0.5995, 0.3622)$

Have a look what the booklet for
Yxy(16.0009, 0.5995, 0.3622)
contains.

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Color

Yxy(15.9653, 0.5999, 0.3619)

Conversions

Conversions Part 1

Format	Color
Hex	CC3B00
RGB	204, 59, 0
RGB Percent	80%, 23%, 0%
CMY	0.2000, 0.7686, 1.0000
CMYK	0.00, 0.71, 1.00, 0.20
HSL	17°, 100%, 40%
HSV	17°, 100%, 80%
XYZ	26.4647, 15.9653, 1.6852
YIQ	95.6290, 105.3590, 12.3910

Conversions

Conversions Part 2

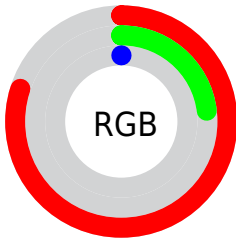
Format	Color
RYB	204, 83, 0
Decimal	13384448
CIELab	46.93, 55.25, 58.66
CIElCh	47, 80.581, 46.712
Yxy	15.9653, 0.5999, 0.3619
Android (android.graphics.Color)	4291574528 (0xFFCC3B00)
YUV	95.6290, -47.1451, 95.0414
Hunter-Lab	39.9566, 48.3030, 25.4690

Details

The Yxy color **15.9653, 0.5999, 0.3619** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **24.6034, 0.1976, 0.2313**, and the grayscale version is **11.7018, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.8169, 0.5358, 0.3766**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.9664, 0.5999, 0.3619**, and if you desaturate by 10%, it is **17.7217, 0.5739, 0.3706**.

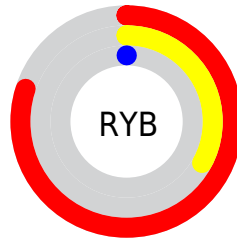
Distribution



Red (80%)

Green (23%)

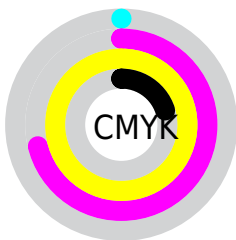
Blue (0%)



Red (80%)

Yellow (33%)

Blue (0%)

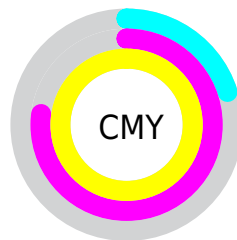


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (20%)



Cyan (20%)


Magenta (77%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9653, 0.5999, 0.3619 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 15.9653, 0.5999, 0.3619 by changing the saturation by 10% instead.


 15.9653, 0.5999,
0.3619


 15.9653, 0.5999,
0.3619

 229.1369, 0.4446,
0.3674


 9.4996, 0.6373,
0.3498


 36.5380, 0.5446,
0.3723


 5.0685, 0.6755,
0.3245

 51.4137, 0.5230,
0.3734


 2.2875, 0.7182,
0.2818

 69.8616, 0.5047,
0.3734

 0.7671, 0.7838,
0.2162

 92.2660, 0.4890,
0.3726


 0.0000, 1.0000,
0.0000


 119.0113, 0.4755,
0.3715


 0.0000, 0.0000,
0.0000

 150.4820, 0.4638,

0.3702

 187.0624, 0.4536,
0.3688

 15.9653, 0.5999,
0.3619


 15.9653, 0.5999,
0.3619


 15.9664, 0.5999,
0.3619

 17.7217, 0.5739,
0.3706

 19.9769, 0.5413,
0.3756

 22.7792, 0.5045,
0.3762

 26.1643, 0.4671,
0.3729

 30.1648, 0.4318,
0.3671

■ 34.8107, 0.4002,
0.3598

■ 40.1296, 0.3727,
0.3519

■ 46.1478, 0.3492,
0.3439

■ 52.8900, 0.3294,
0.3362

Harmonies

Analogous

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



15.9653, 0.5684, 0.2822



15.9653, 0.5999, 0.3619



15.9653, 0.5341, 0.4609

Triad

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



15.9653, 0.5999, 0.3619



15.9653, 0.1740, 0.5096



15.9653, 0.1584, 0.1303

Complementary

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



15.9653, 0.5999, 0.3619



24.6034, 0.1976, 0.2313

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.



15.9653, 0.1048, 0.1363



15.9653, 0.5999, 0.3619



15.9653, 0.1057, 0.3036

Square

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



15.9653, 0.5999, 0.3619



15.9653, 0.2885, 0.6304



15.9653, 0.0879, 0.1831



15.9653, 0.2650, 0.1550

Rectangle

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



15.9653, 0.5999, 0.3619



15.9653, 0.4599, 0.5380



15.9653, 0.0879, 0.1831



15.9653, 0.1356, 0.1288

Sweetspot

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



15.9664, 0.5999, 0.3619



66.0964, 0.3737, 0.3522



14.9181, 0.4091, 0.2027



13.3163, 0.3850, 0.3556



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



15.9664, 0.5999, 0.3619



26.1273, 0.6020, 0.3602



37.9077, 0.4640, 0.4698



11.7336, 0.3283, 0.3358



10.1900, 0.5974, 0.3639



0.6577, 0.5581, 0.3951

Inverse Universe

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



24.6034, 0.1976, 0.2313



40.3600, 0.1972, 0.2299



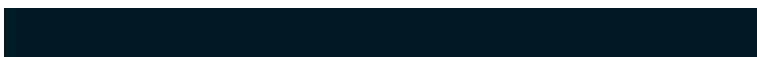
6.1756, 0.1560, 0.0816



12.1573, 0.2983, 0.3221



15.6532, 0.1980, 0.2328



0.9339, 0.2038, 0.2538

Previews

White Background



This preview shows how the Yxy color 15.9653, 0.5999, 0.3619 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 15.9653, 0.5999, 0.3619 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 15.9653, 0.5999, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 15.9653, 0.5999, 0.3619.



This preview shows how white text looks on a background with the Yxy color 15.9653, 0.5999, 0.3619.

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

15.9653, 0.5999, 0.3619

Protanopia

16.0858, 0.4307, 0.4761

Deuteranopia

15.9708, 0.4699, 0.4651



Tritanopia

16.0069, 0.5589, 0.3279

Trichromacy



Original Color

15.9653, 0.5999, 0.3619

Protanomaly

14.7332, 0.5031, 0.4278

Deuteranomaly

15.0373, 0.5270, 0.4197

Tritanomaly

15.9349, 0.5828, 0.3451

Monochromacy



Original Color

15.9653, 0.5999, 0.3619

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6743, 0.4416, 0.3702

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9653, 0.5999, 0.3619 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(204, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 59, 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(204, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 59, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9653, 0.5999, 0.3619 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(204, 59, 0) }
```

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

```
.border{ border-color:rgb(204, 59, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 59, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.9653, 0.5999, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 59, 0) }
```

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

```
.background{ background-color: rgb(204, 59,  
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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