

Converting Colors

$Y_{xy}(15.4009, 0.6242, 0.3367)$

Have a look what the booklet for
Yxy(15.4009, 0.6242, 0.3367)
contains.

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Color

Yxy(15.3998, 0.6243, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	D71E0B
RGB	215, 30, 11
RGB Percent	84%, 12%, 4%
CMY	0.1568, 0.8825, 0.9569
CMYK	0.00, 0.86, 0.95, 0.16
HSL	6°, 90%, 44%
HSV	6°, 95%, 84%
XYZ	28.5539, 15.3998, 1.7838
YIQ	83.1490, 116.3590, 33.3110

Conversions

Conversions Part 2

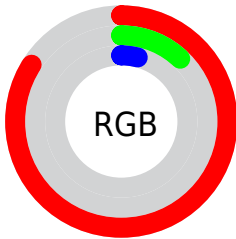
Format	Color
RYB	215, 32, 11
Decimal	14097931
CIELab	46.18, 66.87, 56.41
CIElCh	46, 87.481, 40.149
Yxy	15.3998, 0.6243, 0.3367
Android (android.graphics.Color)	4292288011 (0xFFD71E0B)
YUV	83.1490, -35.5695, 115.6333
Hunter-Lab	39.2426, 61.2066, 24.7748

Details

The Yxy color **15.3998, 0.6243, 0.3367** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **44.4840, 0.2175, 0.3009**, and the grayscale version is **8.7335, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1572, 0.5491, 0.3570**, and **6.4840, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.9502, 0.6337, 0.3350**, and if you desaturate by 10%, it is **16.7925, 0.5967, 0.3406**.

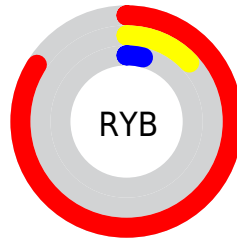
Distribution



Red (84%)

Green (12%)

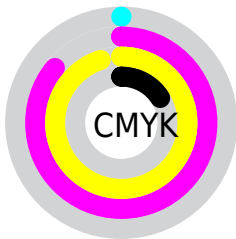
Blue (4%)



Red (84%)

Yellow (13%)

Blue (4%)

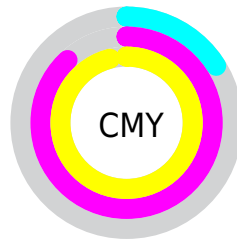


Cyan (0%)

Magenta (86%)

Yellow (95%)

Black (16%)



Cyan (16%)


Magenta (88%)


Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3998, 0.6243, 0.3367 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 15.3998, 0.6243, 0.3367 by changing the saturation by 10% instead.


 15.3998, 0.6243,
0.3367


 15.3998, 0.6243,
0.3367


 225.7735, 0.4544,
0.3573


 9.1005, 0.6649,
0.3204


 35.5530, 0.5634,
0.3528


 4.8068, 0.7087,
0.2913

 50.1757, 0.5398,
0.3561

 2.1343, 0.7558,
0.2442

 68.3416, 0.5197,
0.3578

 0.6838, 0.8266,
0.1734

 90.4352, 0.5027,
0.3586


 0.0000, 1.0000,
0.0000


 116.8407, 0.4880,
0.3587


 0.0000, 0.0000,
0.0000


 147.9427, 0.4753,

0.3584


 184.1255, 0.4642,
0.3580


 15.3998, 0.6243,
0.3367


 15.3998, 0.6243,
0.3367

 14.9502, 0.6337,
0.3350

 16.7925, 0.5967,
0.3406

 18.9682, 0.5572,
0.3429

 22.0213, 0.5122,
0.3434

 26.0320, 0.4675,
0.3423

 31.0714, 0.4270,
0.3404

■ 37.2039, 0.3923,
0.3379

■ 44.4886, 0.3634,
0.3352

■ 52.9803, 0.3398,
0.3326

■ 62.7303, 0.3207,
0.3301

Harmonies

Analogous

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



15.3998, 0.5657, 0.2580



15.3998, 0.6243, 0.3367



15.3998, 0.5658, 0.4342

Triad

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



15.3998, 0.6243, 0.3367



15.3998, 0.1831, 0.5788



15.3998, 0.1321, 0.1175

Complementary

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



15.3998, 0.6243, 0.3367



44.4840, 0.2175, 0.3009

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.



15.3998, 0.0870, 0.1302



15.3998, 0.6243, 0.3367



15.3998, 0.1015, 0.3417

Square

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



15.3998, 0.6243, 0.3367



15.3998, 0.3066, 0.6555



15.3998, 0.0762, 0.1897



15.3998, 0.2294, 0.1361

Rectangle

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



15.3998, 0.6243, 0.3367



15.3998, 0.4867, 0.5133



15.3998, 0.0762, 0.1897



15.3998, 0.1124, 0.1180

Sweetspot

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



15.4008, 0.6243, 0.3367



61.6335, 0.3725, 0.3361



18.7676, 0.3419, 0.1673



12.2019, 0.3852, 0.3373



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.



15.4008, 0.6243, 0.3367



21.9011, 0.6345, 0.3344



30.4420, 0.5095, 0.4299



12.6045, 0.3289, 0.3312



9.0081, 0.6323, 0.3361



0.6087, 0.6113, 0.3528

Inverse Universe

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



44.4840, 0.2175, 0.3009



64.5385, 0.2164, 0.2990



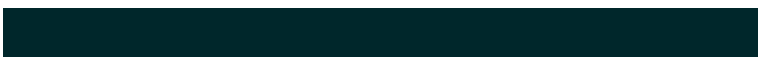
13.3448, 0.1729, 0.1391



13.9013, 0.2983, 0.3268



26.3670, 0.2166, 0.2998



1.6492, 0.2181, 0.3052

Previews

White Background



This preview shows how the Yxy color 15.3998, 0.6243, 0.3367 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

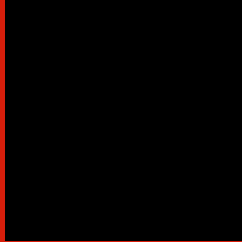
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.3998, 0.6243, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 15.3998, 0.6243, 0.3367.



This preview shows how white text looks on a background with the Yxy color 15.3998, 0.6243, 0.3367.

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

15.3998, 0.6243, 0.3367

Protanopia

15.7477, 0.4248, 0.4701

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.3960, 0.6170, 0.3317

Trichromacy



Original Color

15.3998, 0.6243, 0.3367

Protanomaly

13.2645, 0.5204, 0.4043

Deuteranomaly

13.6730, 0.5475, 0.4007

Tritanomaly

15.3763, 0.6203, 0.3336

Monochromacy



Original Color

15.3998, 0.6243, 0.3367

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7875, 0.4650, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3998, 0.6243, 0.3367 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(215, 30, 11)` looks like.

```
.text, #text, p{  
  color:rgb(215, 30, 11)  
}
```

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(215, 30, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 30, 11) }
```

Border

The CSS property to change the border of an element to Yxy 15.3998, 0.6243, 0.3367 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(215, 30, 11) }
```

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

```
.border{ border-color:rgb(215, 30, 11) }
```

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

Here you see how a box with a 4 pixel rgb(215, 30, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 30, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 30, 11);  
box-shadow:4px 4px 4px 4px rgb(215, 30,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 15.3998, 0.6243, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 30, 11) }
```

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

```
.background{ background-color: rgb(215, 30,  
11) }
```

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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