

Converting Colors

$Y_{xy}(15.1660, 0.6393, 0.3306)$

Have a look what the booklet for
Yxy(15.1660, 0.6393, 0.3306)
contains.

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Color

Yxy(15.1252, 0.6393, 0.3306)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | DB0300 |
| RGB | 219, 3, 0 |
| RGB Percent | 86%, 1%, 0% |
| CMY | 0.1411, 0.9884, 1.0000 |
| CMYK | 0.00, 0.99, 1.00, 0.14 |
| HSL | 1°, 100%, 43% |
| HSV | 1°, 100%, 86% |
| XYZ | 29.2485, 15.1252, 1.3771 |
| YIQ | 67.2420, 129.6990, 44.8590 |

Conversions

Conversions Part 2

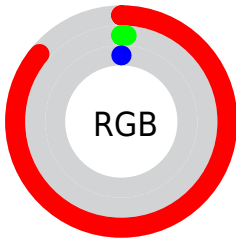
| Format | Color |
|-------------------------------------|---|
| RYB | 219, 3, 0 |
| Decimal | 14353152 |
| CIELab | 45.81, 71.16, 59.96 |
| CIElCh | 46, 93.058, 40.118 |
| Yxy | 15.1252, 0.6393, 0.3306 |
| Android (android.graphics.Color) | 4292543232 (0xFFDB0300) |
| YUV | 67.2420, -33.1503, 133.0918 |
| Hunter-Lab | 38.8911, 66.1832, 25.1244 |

Details

The Yxy color **15.1252, 0.6393, 0.3306** 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 **54.2473, 0.2235, 0.3246**, and the grayscale version is **5.6890, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6711, 0.5630, 0.3549**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1262, 0.6393, 0.3306**, and if you desaturate by 10%, it is **15.7965, 0.6222, 0.3309**.

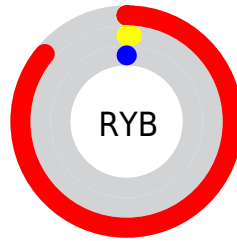
Distribution



Red (86%)

Green (1%)

Blue (0%)



Red (86%)

Yellow (1%)

Blue (0%)

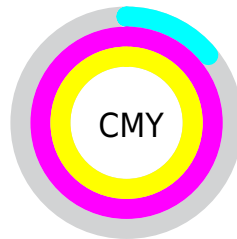


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (14%)



Cyan (14%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1252, 0.6393, 0.3306 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 15.1252, 0.6393, 0.3306 by changing the saturation by 10% instead.


 15.1252, 0.6393,
0.3306


 15.1252, 0.6393,
0.3306


 224.1228, 0.4636,
0.3579


 8.9073, 0.6825,
0.3131


 35.0727, 0.5775,
0.3500


 4.6808, 0.7207,
0.2793

 49.5710, 0.5532,
0.3544

 2.0612, 0.7692,
0.2308

 67.5983, 0.5323,
0.3568

 0.6427, 0.8420,
0.1580

 89.5390, 0.5145,
0.3581

 0.0000, 1.0000,
0.0000


 115.7773, 0.4990,
0.3586


 0.0000, 0.0000,
0.0000


 146.6978, 0.4856,


0.3586


 182.6848, 0.4739,
0.3583


 15.1252, 0.6393,
0.3306


 15.1252, 0.6393,
0.3306

 15.1262, 0.6393,
0.3306

 15.7965, 0.6222,
0.3309

 17.2101, 0.5902,
0.3314

 19.5596, 0.5466,
0.3316

 22.9691, 0.4988,
0.3315

 27.5437, 0.4531,
0.3312

■ 33.3758, 0.4130,
0.3307

■ 40.5487, 0.3794,
0.3303

■ 49.1385, 0.3521,
0.3298

■ 59.2155, 0.3302,
0.3294

Harmonies

Analogous

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



15.1252, 0.5814, 0.2520



15.1252, 0.6393, 0.3306



15.1252, 0.5710, 0.4290

Triad

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



15.1252, 0.6393, 0.3306



15.1252, 0.1727, 0.6002



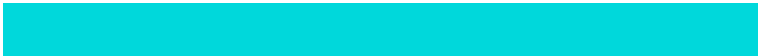
15.1252, 0.1243, 0.1094

Complementary

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



15.1252, 0.6393, 0.3306



54.2473, 0.2235, 0.3246

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.



15.1252, 0.0790, 0.1215



15.1252, 0.6393, 0.3306



15.1252, 0.0913, 0.3402

Square

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



15.1252, 0.6393, 0.3306



15.1252, 0.2992, 0.6764



15.1252, 0.0677, 0.1809



15.1252, 0.2241, 0.1282

Rectangle

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



15.1252, 0.6393, 0.3306



15.1252, 0.4868, 0.5132



15.1252, 0.0677, 0.1809



15.1252, 0.1046, 0.1098

Sweetspot

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



15.1262, 0.6393, 0.3306



56.9506, 0.3802, 0.3303



20.1768, 0.3209, 0.1542



11.2219, 0.3937, 0.3305



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.



15.1262, 0.6393, 0.3306



21.3351, 0.6394, 0.3305



26.1072, 0.5423, 0.4076



13.0796, 0.3291, 0.3294



8.9810, 0.6390, 0.3308



0.5920, 0.6358, 0.3334

Inverse Universe

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



54.2473, 0.2235, 0.3246



76.5530, 0.2235, 0.3245



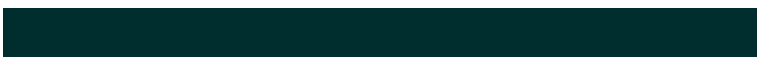
16.1605, 0.1767, 0.1559



14.7977, 0.2982, 0.3286



32.1766, 0.2235, 0.3246



2.0945, 0.2237, 0.3254

Previews

White Background



This preview shows how the Yxy color 15.1252, 0.6393, 0.3306 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 15.1252, 0.6393, 0.3306 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 15.1252, 0.6393, 0.3306

Background



This preview shows how black text looks on a background with the Yxy color 15.1252, 0.6393, 0.3306.

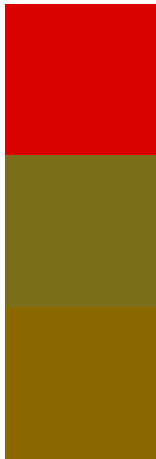


This preview shows how white text looks on a background with the Yxy color 15.1252, 0.6393, 0.3306.

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

15.1252, 0.6393, 0.3306

Protanopia

15.7378, 0.4262, 0.4722

Deuteranopia

15.5921, 0.4690, 0.4658



Tritanopia

15.2520, 0.6338, 0.3349

Trichromacy



Original Color

15.1252, 0.6393, 0.3306

Protanomaly

12.0493, 0.5432, 0.3913

Deuteranomaly

12.4591, 0.5671, 0.3879

Tritanomaly

15.2195, 0.6362, 0.3331

Monochromacy



Original Color

15.1252, 0.6393, 0.3306

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

6.1134, 0.5075, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1252, 0.6393, 0.3306 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(219, 3, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 3, 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(219, 3, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 3, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.1252, 0.6393, 0.3306 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(219, 3, 0) }
```

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

```
.border{ border-color:rgb(219, 3, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 3, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 3, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(219, 3, 0); box-shadow:4px  
4px 4px 4px rgb(219, 3, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.1252, 0.6393, 0.3306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 3, 0) }
```

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

```
.background{ background-color: rgb(219, 3,  
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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