

Converting Colors

$Y_{xy}(15.1109, 0.6393, 0.3295)$

Have a look what the booklet for
Yxy(15.1109, 0.6393, 0.3295)
contains.

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Color

Yxy(15.0645, 0.6393, 0.3295)

Conversions

Conversions Part 1

Format	Color
Hex	DB0002
RGB	219, 0, 2
RGB Percent	86%, 0%, 1%
CMY	0.1411, 1.0000, 0.9919
CMYK	0.00, 1.00, 0.99, 0.14
HSL	359°, 100%, 43%
HSV	359°, 100%, 86%
XYZ	29.2283, 15.0645, 1.4264
YIQ	65.7090, 129.8820, 47.0500

Conversions

Conversions Part 2

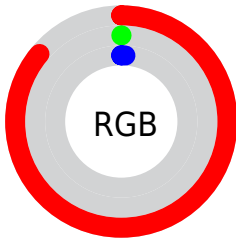
Format	Color
RYB	219, 0, 2
Decimal	14352386
CIELab	45.72, 71.44, 59.27
CIElCh	46, 92.828, 39.679
Yxy	15.0645, 0.6393, 0.3295
Android (android.graphics.Color)	4292542466 (0xFFDB0002)
YUV	65.7090, -31.4085, 134.4362
Hunter-Lab	38.8130, 66.4975, 24.9901

Details

The Yxy color **15.0645, 0.6393, 0.3295** 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 **55.6785, 0.2255, 0.3316**, and the grayscale version is **5.4369, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.5250, 0.5623, 0.3529**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.0670, 0.6393, 0.3295**, and if you desaturate by 10%, it is **15.6975, 0.6222, 0.3292**.

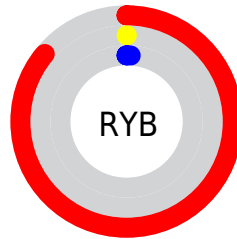
Distribution



Red (86%)

Green (0%)

Blue (1%)



Red (86%)

Yellow (0%)

Blue (1%)

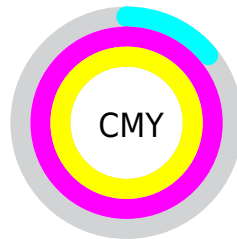


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (14%)



Cyan (14%)


Magenta (100%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0645, 0.6393, 0.3295 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 15.0645, 0.6393, 0.3295 by changing the saturation by 10% instead.


 15.0645, 0.6393,
0.3295


 15.0645, 0.6393,
0.3295


 223.7563, 0.4631,
0.3570


 8.8647, 0.6824,
0.3119


 34.9663, 0.5772,
0.3489


 4.6530, 0.7217,
0.2783

 49.4370, 0.5527,
0.3533

 2.0451, 0.7703,
0.2297

 67.4335, 0.5318,
0.3558

 0.6335, 0.8437,
0.1563

 89.3402, 0.5139,
0.3571


 0.0000, 1.0000,
0.0000


 115.5414, 0.4985,
0.3576

 0.0000, 0.0000,
0.0000


 146.4216, 0.4851,

0.3577


 182.3651, 0.4734,
0.3574


 15.0645, 0.6393,
0.3295


 15.0645, 0.6393,
0.3295

 15.0670, 0.6393,
0.3295

 15.6975, 0.6222,
0.3292

 17.0422, 0.5901,
0.3287

 19.3315, 0.5464,
0.3284

 22.6961, 0.4985,
0.3282

 27.2460, 0.4527,
0.3282

■ 33.0776, 0.4126,
0.3283

■ 40.2776, 0.3791,
0.3284

■ 48.9250, 0.3519,
0.3286

■ 59.0927, 0.3301,
0.3288

Harmonies

Analogous

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



15.0645, 0.5792, 0.2510



15.0645, 0.6393, 0.3295



15.0645, 0.5726, 0.4274

Triad

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



15.0645, 0.6393, 0.3295



15.0645, 0.1746, 0.6030



15.0645, 0.1235, 0.1095

Complementary

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



15.0645, 0.6393, 0.3295



55.6785, 0.2255, 0.3316

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.



15.0645, 0.0788, 0.1221



15.0645, 0.6393, 0.3295



15.0645, 0.0922, 0.3436

Square

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



15.0645, 0.6393, 0.3295



15.0645, 0.3014, 0.6754



15.0645, 0.0679, 0.1824



15.0645, 0.2222, 0.1279

Rectangle

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



15.0645, 0.6393, 0.3295



15.0645, 0.4888, 0.5112



15.0645, 0.0679, 0.1824



15.0645, 0.1039, 0.1100

Sweetspot

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



15.0670, 0.6393, 0.3295



56.5637, 0.3799, 0.3284



19.6177, 0.3167, 0.1518



11.1346, 0.3934, 0.3284



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.



15.0670, 0.6393, 0.3295



21.2653, 0.6394, 0.3296



25.3412, 0.5473, 0.4037



13.0535, 0.3290, 0.3288



8.9335, 0.6390, 0.3294



0.5795, 0.6357, 0.3276

Inverse Universe

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



15.0670, 0.6393, 0.3295



21.2653, 0.6394, 0.3296



16.9608, 0.1782, 0.1616



13.0535, 0.3290, 0.3288



8.9335, 0.6390, 0.3294



0.5795, 0.6357, 0.3276

Previews

White Background



This preview shows how the Yxy color 15.0645, 0.6393, 0.3295 looks on a white background.

Color Contrast Check

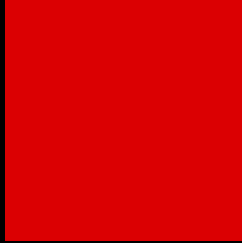
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.0645, 0.6393, 0.3295 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 15.0645, 0.6393, 0.3295

Background



This preview shows how black text looks on a background with the Yxy color 15.0645, 0.6393, 0.3295.



This preview shows how white text looks on a background with the Yxy color 15.0645, 0.6393, 0.3295.

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

15.0645, 0.6393, 0.3295

Protanopia

15.7378, 0.4262, 0.4722

Deuteranopia

15.5921, 0.4690, 0.4658

Trichromacy



Original Color

15.0645, 0.6393, 0.3295

Protanomaly

11.9244, 0.5442, 0.3893

Deuteranomaly

12.3413, 0.5683, 0.3862

Monochromacy



Original Color

15.0645, 0.6393, 0.3295

Achromatopsia

5.4480, 0.3127, 0.3290

Achromatomaly

5.9679, 0.5103, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0645, 0.6393, 0.3295 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, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 2)  
}
```

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, 0, 2) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 15.0645, 0.6393, 0.3295 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, 0, 2) }
```

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

```
.border{ border-color:rgb(219, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(219, 0, 2); box-shadow:4px  
4px 4px 4px rgb(219, 0, 2) }
```

Background

The CSS property to change the background color of an element to Yxy 15.0645, 0.6393, 0.3295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 2) }
```

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

```
.background{ background-color: rgb(219, 0,  
2) }
```

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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