

Converting Colors

$Y_{xy}(15.7030, 0.6396, 0.3303)$

Have a look what the booklet for
Yxy(15.7030, 0.6396, 0.3303)
contains.

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Color

Yxy(15.7314, 0.6396, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	DF0200
RGB	223, 2, 0
RGB Percent	87%, 1%, 0%
CMY	0.1255, 0.9920, 1.0000
CMYK	0.00, 0.99, 1.00, 0.13
HSL	1°, 100%, 44%
HSV	1°, 100%, 87%
XYZ	30.4534, 15.7314, 1.4284
YIQ	67.8510, 132.3580, 46.2300

Conversions

Conversions Part 2

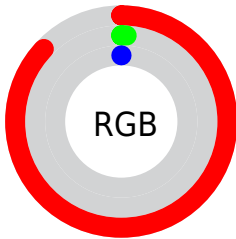
Format	Color
RYB	223, 2, 0
Decimal	14615040
CIELab	46.62, 72.22, 60.80
CIELCh	47, 94.407, 40.090
Yxy	15.7314, 0.6396, 0.3304
Android (android.graphics.Color)	4292805120 (0xFFDF0200)
YUV	67.8510, -33.4505, 136.0657
Hunter-Lab	39.6628, 67.6436, 25.6287

Details

The Yxy color **15.7314, 0.6396, 0.3304** 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 **57.0205, 0.2239, 0.3259**, and the grayscale version is **5.7983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.8482, 0.5613, 0.3552**, and **7.1681, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.7326, 0.6395, 0.3304**, and if you desaturate by 10%, it is **16.4064, 0.6228, 0.3306**.

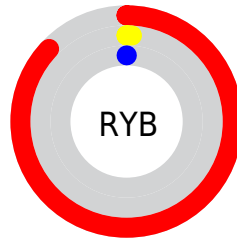
Distribution



Red (87%)

Green (1%)

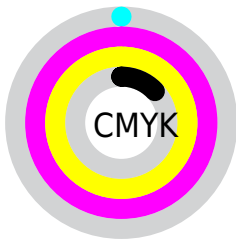
Blue (0%)



Red (87%)

Yellow (1%)

Blue (0%)

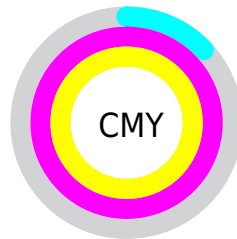


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7314, 0.6396, 0.3304 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 15.7314, 0.6396, 0.3304 by changing the saturation by 10% instead.


 15.7314, 0.6396,
0.3304


 15.7314, 0.6396,
0.3304

 227.7515, 0.4649,
0.3579


 9.3343, 0.6816,
0.3129


 36.1313, 0.5785,
0.3498


 4.9599, 0.7199,
0.2801

 50.9028, 0.5543,
0.3541


 2.2237, 0.7672,
0.2328

 69.2346, 0.5336,
0.3566

 0.7329, 0.8353,
0.1647

 91.5111, 0.5158,
0.3579


 0.0000, 1.0000,
0.0000


 118.1166, 0.5004,
0.3585

 0.0000, 0.0000,
0.0000

 149.4356, 0.4870,

0.3586


 185.8524, 0.4753,
0.3583

 15.7314, 0.6396,
0.3304


 15.7314, 0.6396,
0.3304


 15.7326, 0.6395,
0.3304

 16.4064, 0.6228,
0.3306

 17.8470, 0.5911,
0.3309

 20.2666, 0.5476,
0.3310

 23.7973, 0.4996,
0.3308

 28.5509, 0.4537,
0.3306

■ 34.6255, 0.4133,
0.3303

■ 42.1093, 0.3796,
0.3299

■ 51.0830, 0.3522,
0.3296

■ 61.6209, 0.3303,
0.3293

Harmonies

Analogous

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



15.7314, 0.5816, 0.2519



15.7314, 0.6396, 0.3304



15.7314, 0.5712, 0.4288

Triad

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



15.7314, 0.6396, 0.3304



15.7314, 0.1726, 0.6008



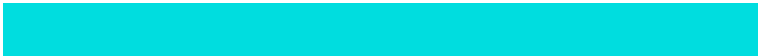
15.7314, 0.1241, 0.1093

Complementary

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



15.7314, 0.6396, 0.3304



57.0205, 0.2239, 0.3259

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.



15.7314, 0.0789, 0.1214



15.7314, 0.6396, 0.3304



15.7314, 0.0912, 0.3404

Square

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



15.7314, 0.6396, 0.3304



15.7314, 0.2990, 0.6765



15.7314, 0.0675, 0.1808



15.7314, 0.2238, 0.1280

Rectangle

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



15.7314, 0.6396, 0.3304



15.7314, 0.4869, 0.5131



15.7314, 0.0675, 0.1808



15.7314, 0.1044, 0.1096

Sweetspot

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



15.7326, 0.6395, 0.3304



56.8149, 0.3803, 0.3299



21.0162, 0.3209, 0.1542



11.1912, 0.3939, 0.3301



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.



15.7326, 0.6395, 0.3304



21.3107, 0.6396, 0.3303



27.1669, 0.5425, 0.4074



13.7205, 0.3292, 0.3293



9.2592, 0.6394, 0.3305



0.6490, 0.6373, 0.3322

Inverse Universe

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



57.0205, 0.2239, 0.3259



77.2602, 0.2239, 0.3259



16.8064, 0.1766, 0.1557



15.5497, 0.2982, 0.3287



33.5362, 0.2239, 0.3260



2.3316, 0.2240, 0.3264

Previews

White Background



This preview shows how the Yxy color 15.7314, 0.6396, 0.3304 looks on a white background.

Color Contrast Check

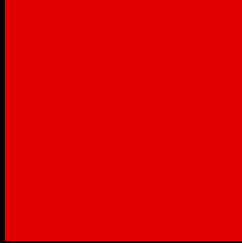
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.7314, 0.6396, 0.3304 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 15.7314, 0.6396, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 15.7314, 0.6396, 0.3304.



This preview shows how white text looks on a background with the Yxy color 15.7314, 0.6396, 0.3304.

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

15.7314, 0.6396, 0.3304

Protanopia

16.3346, 0.4257, 0.4720

Deuteranopia

16.2662, 0.4696, 0.4654

Trichromacy



Original Color

15.7314, 0.6396, 0.3304

Protanomaly

12.3858, 0.5434, 0.3916

Deuteranomaly

12.9142, 0.5677, 0.3874

Monochromacy



Original Color

15.7314, 0.6396, 0.3304

Achromatopsia

5.7805, 0.3127, 0.3290

Achromatomaly

6.2609, 0.5107, 0.3313

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7314, 0.6396, 0.3304 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(223, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(223, 2, 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(223, 2, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 2, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.7314, 0.6396, 0.3304 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(223, 2, 0) }
```

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

```
.border{ border-color:rgb(223, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(223, 2, 0); box-shadow:4px  
4px 4px 4px rgb(223, 2, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 15.7314, 0.6396, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 2, 0) }
```

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

```
.background{ background-color: rgb(223, 2,  
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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