

Converting Colors

$Y_{xy}(14.7978, 0.6390, 0.3308)$

Have a look what the booklet for
Yxy(14.7978, 0.6390, 0.3308)
contains.

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Color

Yxy(14.8385, 0.6390, 0.3308)

Conversions

Conversions Part 1

Format	Color
Hex	D90400
RGB	217, 4, 0
RGB Percent	85%, 2%, 0%
CMY	0.1489, 0.9847, 0.9998
CMYK	0.00, 0.98, 1.00, 0.15
HSL	1°, 100%, 43%
HSV	1°, 100%, 85%
XYZ	28.6632, 14.8385, 1.3547
YIQ	67.2310, 128.2320, 43.9120

Conversions

Conversions Part 2

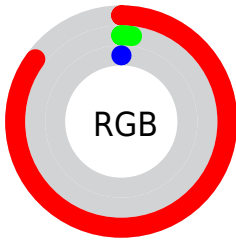
Format	Color
RYB	217, 4, 0
Decimal	14222336
CIELab	45.41, 70.59, 59.54
CIElCh	45, 92.348, 40.146
Yxy	14.8385, 0.6390, 0.3308
Android (android.graphics.Color)	4292412416 (0xFFD90400)
YUV	67.2310, -33.1449, 131.3474
Hunter-Lab	38.5208, 65.4102, 24.8795

Details

The Yxy color **14.8385, 0.6390, 0.3308** 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 **52.6808, 0.2231, 0.3233**, and the grayscale version is **5.6818, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6711, 0.5630, 0.3549**, and **6.5793, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.8384, 0.6390, 0.3308**, and if you desaturate by 10%, it is **15.5162, 0.6216, 0.3313**.

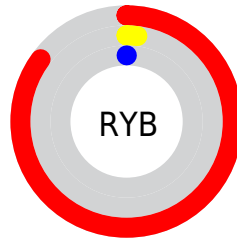
Distribution



Red (85%)

Green (2%)

Blue (0%)



Red (85%)

Yellow (2%)

Blue (0%)

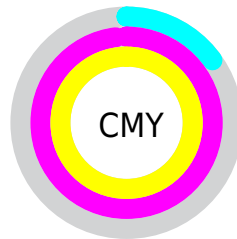


Cyan (0%)

Magenta (98%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (98%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8385, 0.6390, 0.3308 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 14.8385, 0.6390, 0.3308 by changing the saturation by 10% instead.


 14.8385, 0.6390,
0.3308


 14.8385, 0.6390,
0.3308


 222.3866, 0.4629,
0.3579


 8.7061, 0.6828,
0.3134


 34.5696, 0.5769,
0.3503


 4.5500, 0.7209,
0.2791

 48.9371, 0.5525,
0.3545


 1.9857, 0.7699,
0.2301

 66.8185, 0.5316,
0.3569

 0.5992, 0.8458,
0.1542

 88.5981, 0.5137,
0.3582


 0.0000, 1.0000,
0.0000


 114.6603, 0.4983,
0.3586


 0.0000, 0.0000,
0.0000

 145.3895, 0.4849,


0.3587


 181.1702, 0.4732,
0.3584

 14.8385, 0.6390,
0.3308


 14.8385, 0.6390,
0.3308


 14.8384, 0.6390,
0.3308

 15.5162, 0.6216,
0.3313

 16.9284, 0.5894,
0.3319

 19.2543, 0.5458,
0.3322

 22.6129, 0.4981,
0.3321

 27.1056, 0.4526,
0.3317

■ 32.8213, 0.4126,
0.3312

■ 39.8405, 0.3792,
0.3306

■ 48.2364, 0.3520,
0.3300

■ 58.0771, 0.3302,
0.3295

Harmonies

Analogous

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



14.8385, 0.5813, 0.2522



14.8385, 0.6390, 0.3308



14.8385, 0.5708, 0.4292

Triad

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



14.8385, 0.6390, 0.3308



14.8385, 0.1728, 0.5996



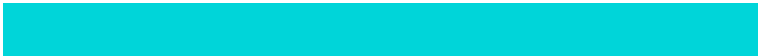
14.8385, 0.1245, 0.1096

Complementary

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



14.8385, 0.6390, 0.3308



52.6808, 0.2231, 0.3233

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.



14.8385, 0.0792, 0.1217



14.8385, 0.6390, 0.3308



14.8385, 0.0915, 0.3400

Square

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



14.8385, 0.6390, 0.3308



14.8385, 0.2993, 0.6762



14.8385, 0.0678, 0.1809



14.8385, 0.2243, 0.1284

Rectangle

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



14.8385, 0.6390, 0.3308



14.8385, 0.4866, 0.5134



14.8385, 0.0678, 0.1809



14.8385, 0.1048, 0.1099

Sweetspot

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



14.8395, 0.6390, 0.3308



57.0805, 0.3801, 0.3306



19.5802, 0.3252, 0.1565



11.2512, 0.3936, 0.3309



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.



14.8395, 0.6390, 0.3308



21.3584, 0.6392, 0.3307



26.3758, 0.5373, 0.4116



13.0884, 0.3291, 0.3295



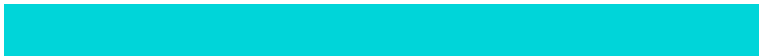
8.9968, 0.6387, 0.3311



0.5962, 0.6344, 0.3344

Inverse Universe

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



52.6808, 0.2231, 0.3233



75.8814, 0.2231, 0.3232



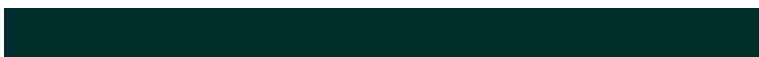
15.0971, 0.1752, 0.1505



14.7877, 0.2982, 0.3285



31.9011, 0.2232, 0.3234



2.0797, 0.2234, 0.3243

Previews

White Background



This preview shows how the Yxy color 14.8385, 0.6390, 0.3308 looks on a white background.

Color Contrast Check

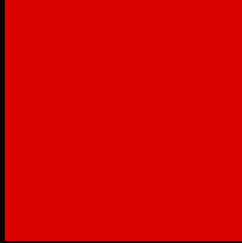
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.8385, 0.6390, 0.3308 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 14.8385, 0.6390, 0.3308

Background



This preview shows how black text looks on a background with the Yxy color 14.8385, 0.6390, 0.3308.



This preview shows how white text looks on a background with the Yxy color 14.8385, 0.6390, 0.3308.

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

14.8385, 0.6390, 0.3308

Protanopia

15.4467, 0.4261, 0.4717

Tritanopia

14.9474, 0.6337, 0.3350

Trichromacy



Original Color

14.8385, 0.6390, 0.3308

Protanomaly

11.7182, 0.5429, 0.3911

Tritanomaly

14.9130, 0.6361, 0.3331

Monochromacy



Original Color

14.8385, 0.6390, 0.3308

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 14.8385, 0.6390, 0.3308 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(217, 4, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 4, 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(217, 4, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 4, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8385, 0.6390, 0.3308 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(217, 4, 0) }
```

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

```
.border{ border-color:rgb(217, 4, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 4, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 4, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(217, 4, 0); box-shadow:4px  
4px 4px 4px rgb(217, 4, 0) }
```

Background

The CSS property to change the background color of an element to Yxy 14.8385, 0.6390, 0.3308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 4, 0) }
```

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

```
.background{ background-color: rgb(217, 4,  
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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