

Converting Colors

$Y_{xy}(13.5780, 0.6385, 0.3291)$

Have a look what the booklet for
Yxy(13.5780, 0.6385, 0.3291)
contains.

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Color

Yxy(13.5641, 0.6383, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	D10004
RGB	209, 0, 4
RGB Percent	82%, 0%, 2%
CMY	0.1804, 0.9998, 0.9840
CMYK	0.00, 1.00, 0.98, 0.18
HSL	359°, 100%, 41%
HSV	359°, 100%, 82%
XYZ	26.3160, 13.5641, 1.3482
YIQ	62.9470, 123.2800, 45.5520

Conversions

Conversions Part 2

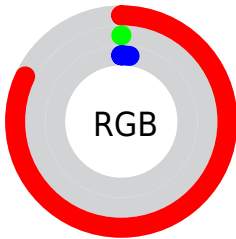
Format	Color
RYB	209, 0, 4
Decimal	13697028
CIELab	43.60, 68.98, 56.49
CIElCh	44, 89.162, 39.315
Yxy	13.5641, 0.6383, 0.3290
Android (android.graphics.Color)	4291887108 (0xFFD10004)
YUV	62.9470, -29.0609, 128.0885
Hunter-Lab	36.8295, 63.0932, 23.6103

Details

The Yxy color **13.5641, 0.6383, 0.3290** 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 **50.0061, 0.2263, 0.3346**, and the grayscale version is **4.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.2011, 0.5640, 0.3513**, and **5.9293, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.5635, 0.6383, 0.3290**, and if you desaturate by 10%, it is **14.1580, 0.6201, 0.3284**.

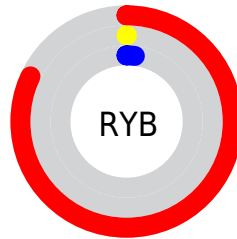
Distribution



Red (82%)

Green (0%)

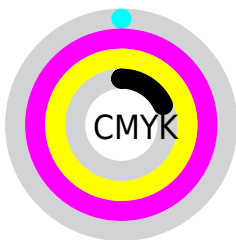
Blue (2%)



Red (82%)

Yellow (0%)

Blue (2%)

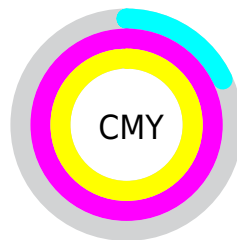


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (18%)



Cyan (18%)


Magenta (100%)

Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5641, 0.6383, 0.3290 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 13.5641, 0.6383, 0.3290 by changing the saturation by 10% instead.


 13.5641, 0.6383,
0.3290

 13.5641, 0.6383,
0.3290


 214.5019, 0.4592,
0.3561


 7.8181, 0.6847,
0.3113


 32.3136, 0.5741,
0.3486


 3.9788, 0.7246,
0.2754

 46.0858, 0.5491,
0.3529

 1.6617, 0.7766,
0.2234

 63.3023, 0.5279,
0.3552

 0.3987, 0.8733,
0.1267

 84.3474, 0.5099,
0.3564


 0.0000, 1.0000,
0.0000


 109.6056, 0.4944,
0.3569


 0.0000, 0.0000,
0.0000


 139.4611, 0.4810,


0.3569

 174.2984, 0.4694,
0.3566

 13.5641, 0.6383,
0.3290


 13.5641, 0.6383,
0.3290


 13.5635, 0.6383,
0.3290

 14.1580, 0.6201,
0.3284

 15.3909, 0.5872,
0.3275

 17.4717, 0.5433,
0.3270

 20.5159, 0.4957,
0.3268

 24.6210, 0.4506,
0.3269

■ 29.8728, 0.4110,
0.3273

■ 36.3479, 0.3781,
0.3277

■ 44.1167, 0.3513,
0.3281

■ 53.2441, 0.3298,
0.3286

Harmonies

Analogous

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



13.5641, 0.5762, 0.2506



13.5641, 0.6383, 0.3290



13.5641, 0.5735, 0.4265

Triad

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



13.5641, 0.6383, 0.3290



13.5641, 0.1768, 0.6039



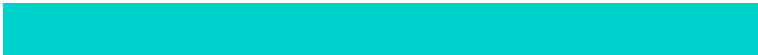
13.5641, 0.1233, 0.1101

Complementary

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



13.5641, 0.6383, 0.3290



50.0061, 0.2263, 0.3346

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.



13.5641, 0.0791, 0.1232



13.5641, 0.6383, 0.3290



13.5641, 0.0936, 0.3466

Square

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



13.5641, 0.6383, 0.3290



13.5641, 0.3042, 0.6742



13.5641, 0.0686, 0.1843



13.5641, 0.2210, 0.1281

Rectangle

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



13.5641, 0.6383, 0.3290



13.5641, 0.4904, 0.5096



13.5641, 0.0686, 0.1843



13.5641, 0.1039, 0.1107

Sweetspot

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



13.5650, 0.6383, 0.3290



56.5942, 0.3792, 0.3277



17.1655, 0.3125, 0.1495



11.1415, 0.3925, 0.3275



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.



13.5650, 0.6383, 0.3290



21.2707, 0.6387, 0.3292



22.2090, 0.5517, 0.4001



11.8119, 0.3288, 0.3286



8.3649, 0.6378, 0.3287



0.4690, 0.6304, 0.3246

Inverse Universe

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



13.5650, 0.6383, 0.3290



21.2707, 0.6387, 0.3292



16.0806, 0.1800, 0.1678



11.8119, 0.3288, 0.3286



8.3649, 0.6378, 0.3287



0.4690, 0.6304, 0.3246

Previews

White Background



This preview shows how the Yxy color 13.5641, 0.6383, 0.3290 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 13.5641, 0.6383, 0.3290 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 13.5641, 0.6383, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 13.5641, 0.6383, 0.3290.



This preview shows how white text looks on a background with the Yxy color 13.5641, 0.6383, 0.3290.

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

13.5641, 0.6383, 0.3290

Protanopia

14.2388, 0.4250, 0.4719

Deuteranopia

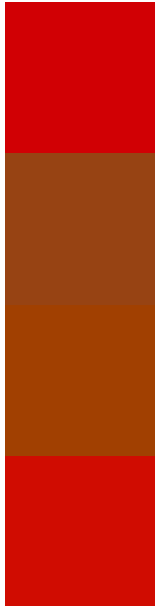
14.1009, 0.4696, 0.4653



Tritanopia

13.7311, 0.6336, 0.3351

Trichromacy



Original Color

13.5641, 0.6383, 0.3290

Protanomaly

10.6406, 0.5431, 0.3882

Deuteranomaly

11.2461, 0.5681, 0.3863

Tritanomaly

13.6750, 0.6360, 0.3326

Monochromacy



Original Color

13.5641, 0.6383, 0.3290

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

5.3978, 0.5058, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5641, 0.6383, 0.3290 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(209, 0, 4)` looks like.

```
.text, #text, p{  
  color:rgb(209, 0, 4)  
}
```

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(209, 0, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 0, 4) }
```

Border

The CSS property to change the border of an element to Yxy 13.5641, 0.6383, 0.3290 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(209, 0, 4) }
```

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

```
.border{ border-color:rgb(209, 0, 4) }
```

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

Here you see how a box with a 4 pixel rgb(209, 0, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 0, 4); -webkit-box-shadow:4px  
4px 4px 4px rgb(209, 0, 4); box-shadow:4px  
4px 4px 4px rgb(209, 0, 4) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5641, 0.6383, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 0, 4) }
```

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

```
.background{ background-color: rgb(209, 0,  
4) }
```

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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