

Converting Colors

$Yxy(13.7156, 0.6381, 0.3316)$

Have a look what the booklet for
Yxy(13.7156, 0.6381, 0.3316)
contains.

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Color

Yxy(13.7073, 0.6380, 0.3316)

Conversions

Conversions Part 1

Format	Color
Hex	D10700
RGB	209, 7, 0
RGB Percent	82%, 3%, 0%
CMY	0.1804, 0.9727, 0.9999
CMYK	0.00, 0.97, 1.00, 0.18
HSL	2°, 100%, 41%
HSV	2°, 100%, 82%
XYZ	26.3729, 13.7073, 1.2566
YIQ	66.6000, 122.6390, 40.6470

Conversions

Conversions Part 2

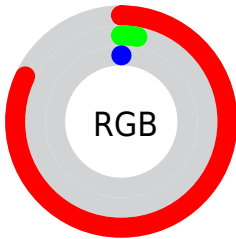
Format	Color
RYB	209, 7, 0
Decimal	13698816
CIELab	43.81, 68.32, 57.92
CIElCh	44, 89.567, 40.294
Yxy	13.7073, 0.6380, 0.3316
Android (android.graphics.Color)	4291888896 (0xFFD10700)
YUV	66.6000, -32.8338, 124.8848
Hunter-Lab	37.0234, 62.3603, 23.9039

Details

The Yxy color **13.7073, 0.6380, 0.3316** 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 **46.8783, 0.2218, 0.3185**, and the grayscale version is **5.5829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.4965, 0.5647, 0.3547**, and **5.9293, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.7075, 0.6380, 0.3316**, and if you desaturate by 10%, it is **14.4027, 0.6195, 0.3326**.

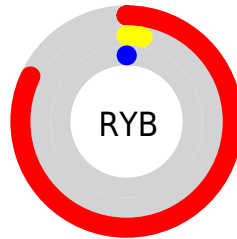
Distribution



Red (82%)

Green (3%)

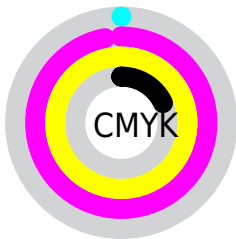
Blue (0%)



Red (82%)

Yellow (3%)

Blue (0%)

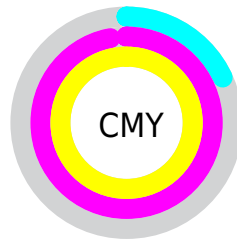


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (97%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 13.7073, 0.6380, 0.3316 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 13.7073, 0.6380, 0.3316 by changing the saturation by 10% instead.


 13.7073, 0.6380,
0.3316


 13.7073, 0.6380,
0.3316


 215.4022, 0.4601,
0.3580


 7.9174, 0.6845,
0.3144


 32.5688, 0.5747,
0.3511


 4.0421, 0.7220,
0.2780


 46.4091, 0.5499,
0.3553


 1.6972, 0.7735,
0.2265


 63.7017, 0.5288,
0.3575

 0.4218, 0.8675,
0.1325

 84.8309, 0.5108,
0.3586


 0.0000, 1.0000,
0.0000

 110.1812, 0.4953,
0.3590

 0.0000, 0.0000,
0.0000


 140.1369, 0.4820,

0.3589

 175.0825, 0.4703,
0.3585

 13.7073, 0.6380,
0.3316


 13.7073, 0.6380,
0.3316


 13.7075, 0.6380,
0.3316

 14.4027, 0.6195,
0.3326

 15.7867, 0.5867,
0.3338

 17.9977, 0.5431,
0.3344

 21.1376, 0.4959,
0.3343

 25.2935, 0.4510,
0.3337

■ 30.5425, 0.4116,
0.3328

■ 36.9543, 0.3786,
0.3318

■ 44.5928, 0.3518,
0.3308

■ 53.5173, 0.3301,
0.3299

Harmonies

Analogous

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



13.7073, 0.5809, 0.2530



13.7073, 0.6380, 0.3316



13.7073, 0.5699, 0.4301

Triad

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



13.7073, 0.6380, 0.3316



13.7073, 0.1729, 0.5972



13.7073, 0.1254, 0.1101

Complementary

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



13.7073, 0.6380, 0.3316



46.8783, 0.2218, 0.3185

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.



13.7073, 0.0798, 0.1221



13.7073, 0.6380, 0.3316



13.7073, 0.0919, 0.3390

Square

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



13.7073, 0.6380, 0.3316



13.7073, 0.2993, 0.6758



13.7073, 0.0683, 0.1810



13.7073, 0.2253, 0.1290

Rectangle

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



13.7073, 0.6380, 0.3316



13.7073, 0.4860, 0.5140



13.7073, 0.0683, 0.1810



13.7073, 0.1055, 0.1104

Sweetspot

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



13.7082, 0.6380, 0.3316



57.5587, 0.3797, 0.3319



17.9907, 0.3251, 0.1565



11.3592, 0.3931, 0.3323



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.



13.7082, 0.6380, 0.3316



21.4438, 0.6385, 0.3312



24.2828, 0.5370, 0.4118



11.8702, 0.3290, 0.3298



8.4791, 0.6374, 0.3321



0.4967, 0.6287, 0.3390

Inverse Universe

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



46.8783, 0.2218, 0.3185



73.4557, 0.2218, 0.3184



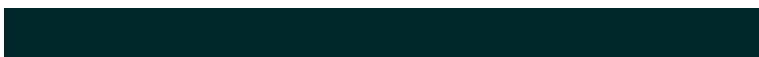
13.9188, 0.1753, 0.1509



13.3369, 0.2983, 0.3282



28.9303, 0.2219, 0.3187



1.6391, 0.2224, 0.3206

Previews

White Background



This preview shows how the Yxy color 13.7073, 0.6380, 0.3316 looks on a white background.

Color Contrast Check

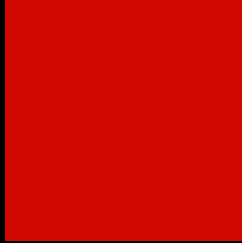
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.7073, 0.6380, 0.3316 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 13.7073, 0.6380, 0.3316

Background



This preview shows how black text looks on a background with the Yxy color 13.7073, 0.6380, 0.3316.



This preview shows how white text looks on a background with the Yxy color 13.7073, 0.6380, 0.3316.

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

13.7073, 0.6380, 0.3316

Protanopia

14.3091, 0.4265, 0.4709

Deuteranopia

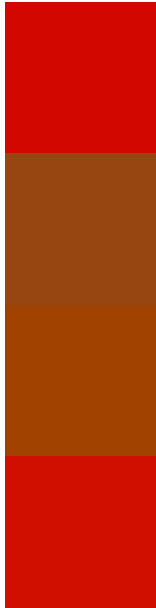
14.1009, 0.4696, 0.4653



Tritanopia

13.8756, 0.6337, 0.3350

Trichromacy



Original Color

13.7073, 0.6380, 0.3316

Protanomaly

11.0962, 0.5403, 0.3934

Deuteranomaly

11.4735, 0.5651, 0.3895

Tritanomaly

13.7515, 0.6354, 0.3337

Monochromacy



Original Color

13.7073, 0.6380, 0.3316

Achromatopsia

5.6128, 0.3127, 0.3290

Achromatomaly

5.9731, 0.5012, 0.3333

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.7073, 0.6380, 0.3316 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, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(209, 7, 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(209, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 7, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.7073, 0.6380, 0.3316 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, 7, 0) }
```

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

```
.border{ border-color:rgb(209, 7, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 7, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(209, 7, 0); box-shadow:4px  
4px 4px 4px rgb(209, 7, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 13.7073, 0.6380, 0.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 7, 0) }
```

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

```
.background{ background-color: rgb(209, 7,  
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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