

# Converting Colors

$Yxy(14.3013, 0.6380, 0.3316)$

Have a look what the booklet for  
Yxy(14.3013, 0.6380, 0.3316)  
contains.

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**Color**

**Yxy(14.2981, 0.6381, 0.3316)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D50700
RGB	213, 7, 0
RGB Percent	84%, 3%, 0%
CMY	0.1647, 0.9720, 1.0000
CMYK	0.00, 0.97, 1.00, 0.16
HSL	2°, 100%, 42%
HSV	2°, 100%, 84%
XYZ	27.5139, 14.2981, 1.3065
YIQ	67.7960, 125.0230, 41.4950

# Conversions

## Conversions Part 2

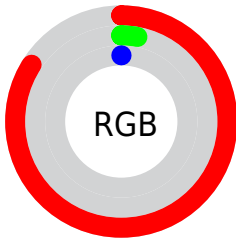
Format	Color
<a href="#">RYB</a>	213, 7, 0
Decimal	13960960
CIELab	44.66, 69.30, 58.79
CIElCh	45, 90.882, 40.311
Yxy	14.2981, 0.6381, 0.3316
Android (android.graphics.Color)	4292151040 (0xFFD50700)
YUV	67.7960, -33.4234, 127.3439
Hunter-Lab	37.8128, 63.7103, 24.4204

# Details

The Yxy color **14.2981, 0.6381, 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 **48.8794, 0.2218, 0.3184**, and the grayscale version is **5.7979, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.6711, 0.5630, 0.3549**, and **6.2959, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.2993, 0.6380, 0.3316**, and if you desaturate by 10%, it is **15.0168, 0.6198, 0.3326**.

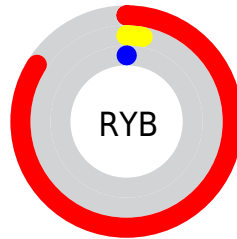
# Distribution



Red (84%)

Green (3%)

Blue (0%)



Red (84%)

Yellow (3%)

Blue (0%)

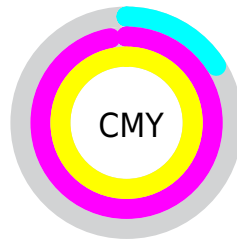


Cyan (0%)

Magenta (97%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (97%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 14.2981, 0.6381, 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 14.2981, 0.6381, 0.3316 by changing the saturation by 10% instead.





 14.2981, 0.6381,  
0.3316


 14.2981, 0.6381,  
0.3316


 219.0775, 0.4614,  
0.3581

 8.3283, 0.6831,  
0.3144


 33.6170, 0.5755,  
0.3510


 4.3057, 0.7209,  
0.2791

 47.7349, 0.5509,  
0.3552

 1.8460, 0.7710,  
0.2290

 65.3377, 0.5300,  
0.3575

 0.5156, 0.8541,  
0.1459

 86.8096, 0.5121,  
0.3586

 0.0000, 1.0000,  
0.0000


 112.5352, 0.4966,  
0.3590


 0.0000, 0.0000,  
0.0000

 142.8988, 0.4833,


0.3590


 178.2847, 0.4716,  
0.3586


 14.2981, 0.6381,  
0.3316

 14.2981, 0.6381,  
0.3316


 14.2993, 0.6380,  
0.3316

 15.0168, 0.6198,  
0.3326

 16.4546, 0.5871,  
0.3338

 18.7558, 0.5435,  
0.3344

 22.0272, 0.4963,  
0.3343

 26.3600, 0.4513,  
0.3337

■ 31.8349, 0.4118,  
0.3329

■ 38.5250, 0.3788,  
0.3319

■ 46.4971, 0.3518,  
0.3308

■ 55.8131, 0.3301,  
0.3299

# Harmonies

## Analogous

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



14.2981, 0.5811, 0.2530



14.2981, 0.6381, 0.3316



14.2981, 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.



14.2981, 0.6381, 0.3316



14.2981, 0.1728, 0.5972



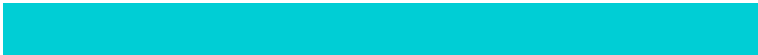
14.2981, 0.1253, 0.1100

# Complementary

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



14.2981, 0.6381, 0.3316



48.8794, 0.2218, 0.3184

# 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.



14.2981, 0.0798, 0.1220



14.2981, 0.6381, 0.3316



14.2981, 0.0918, 0.3389

# Square

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



14.2981, 0.6381, 0.3316



14.2981, 0.2990, 0.6756



14.2981, 0.0682, 0.1809



14.2981, 0.2253, 0.1290



# Rectangle

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



14.2981, 0.6381, 0.3316



14.2981, 0.4859, 0.5141



14.2981, 0.0682, 0.1809



14.2981, 0.1055, 0.1103

# Sweetspot

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



14.2993, 0.6380, 0.3316



57.5667, 0.3797, 0.3319



18.5954, 0.3295, 0.1589



11.3610, 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.



14.2993, 0.6380, 0.3316



21.4453, 0.6385, 0.3313



26.0878, 0.5322, 0.4156



12.4867, 0.3290, 0.3298



8.7652, 0.6374, 0.3321



0.5527, 0.6291, 0.3387



# Inverse Universe

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



48.8794, 0.2218, 0.3184



73.4154, 0.2218, 0.3183



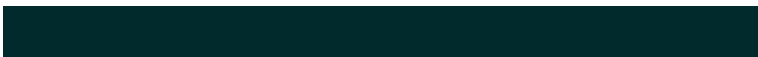
13.8023, 0.1737, 0.1452



14.0332, 0.2983, 0.3282



29.8926, 0.2218, 0.3186



1.8258, 0.2224, 0.3204



# Previews

## White Background



This preview shows how the Yxy color 14.2981, 0.6381, 0.3316 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

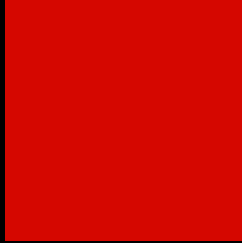
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 14.2981, 0.6381, 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 14.2981, 0.6381, 0.3316**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.2981, 0.6381, 0.3316.



This preview shows how white text looks on a background with the Yxy color 14.2981, 0.6381, 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

14.2981, 0.6381, 0.3316

### Protanopia

14.8739, 0.4260, 0.4708

### Deuteranopia

14.6536, 0.4688, 0.4660



## Tritanopia

14.4974, 0.6335, 0.3352

# Trichromacy



## Original Color

14.2981, 0.6381, 0.3316

## Protanomaly

11.4202, 0.5399, 0.3930

## Deuteranomaly

11.9208, 0.5632, 0.3910

## Tritanomaly

14.3387, 0.6356, 0.3335

# Monochromacy



## Original Color

14.2981, 0.6381, 0.3316

## Achromatopsia

5.7805, 0.3127, 0.3290

## Achromatomaly

6.1934, 0.5031, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.2981, 0.6381, 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(213, 7, 0)` looks like.

```
.text, #text, p{  
    color:rgb(213, 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(213, 7, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 7, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 14.2981, 0.6381, 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(213, 7, 0) }
```

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

```
.border{ border-color:rgb(213, 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(213, 7, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 7, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(213, 7, 0); box-shadow:4px  
4px 4px 4px rgb(213, 7, 0) }
```



# Background

The CSS property to change the background color of an element to Yxy 14.2981, 0.6381, 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(213, 7, 0) }
```

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

```
.background{ background-color: rgb(213, 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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