

Converting Colors

$Y_{xy}(13.7282, 0.6328, 0.3357)$

Have a look what the booklet for
Yxy(13.7282, 0.6328, 0.3357)
contains.

Yxy(13.8017, 0.6327, 0.3358)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.8017, 0.6327, 0.3358)

Conversions

Conversions Part 1

Format	Color
Hex	CF1500
RGB	207, 21, 0
RGB Percent	81%, 8%, 0%
CMY	0.1882, 0.9179, 0.9998
CMYK	0.00, 0.90, 1.00, 0.19
HSL	6°, 100%, 41%
HSV	6°, 100%, 81%
XYZ	26.0046, 13.8017, 1.2947
YIQ	74.2200, 117.5970, 32.9010

Conversions

Conversions Part 2

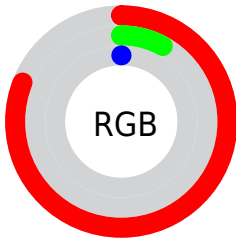
Format	Color
R_{YB}	207, 23, 0
Decimal	13571328
CIE Lab	43.95, 66.20, 57.71
CIE LCh	44, 87.823, 41.079
Yxy	13.8017, 0.6327, 0.3358
Android (android.graphics.Color)	4291761408 (0xFFCF1500)
YUV	74.2200, -36.5905, 116.4481
Hunter-Lab	37.1506, 59.9322, 23.9392

Details

The Yxy color **13.8017, 0.6327, 0.3358** 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 **39.6741, 0.2158, 0.2967**, and the grayscale version is **6.9357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.1806, 0.5603, 0.3575**, and **5.7508, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.8010, 0.6327, 0.3358**, and if you desaturate by 10%, it is **14.8093, 0.6107, 0.3398**.

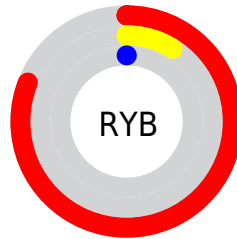
Distribution



Red (81%)

Green (8%)

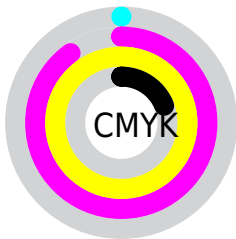
Blue (0%)



Red (81%)

Yellow (9%)

Blue (0%)

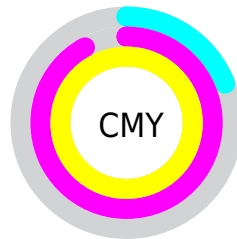


Cyan (0%)

Magenta (90%)

Yellow (100%)

Black (19%)



Cyan (19%)


Magenta (92%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8017, 0.6327, 0.3358 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 13.8017, 0.6327, 0.3358 by changing the saturation by 10% instead.


 13.8017, 0.6327,
0.3358


 13.8017, 0.6327,
0.3358


 215.9937, 0.4575,
0.3592


 7.9829, 0.6784,
0.3193


 32.7368, 0.5702,
0.3541

 4.0840, 0.7161,
0.2839

 46.6218, 0.5457,
0.3578

 1.7207, 0.7670,
0.2330

 63.9643, 0.5250,
0.3597

 0.4370, 0.8598,
0.1402

 85.1488, 0.5073,
0.3606


 0.0000, 1.0000,
0.0000

 110.5596, 0.4921,
0.3607

 0.0000, 0.0000,
0.0000


 140.5810, 0.4790,

0.3604

 175.5976, 0.4675,
0.3599


 13.8017, 0.6327,
0.3358


 13.8017, 0.6327,
0.3358


 13.8010, 0.6327,
0.3358

 14.8093, 0.6107,
0.3398

 16.4745, 0.5764,
0.3432

 18.8946, 0.5335,
0.3446

 22.1455, 0.4884,
0.3442

 26.2939, 0.4459,
0.3425

■ 31.3995, 0.4085,
0.3400

■ 37.5172, 0.3770,
0.3372

■ 44.6973, 0.3510,
0.3343

■ 52.9872, 0.3299,
0.3316

Harmonies

Analogous

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



13.8017, 0.5792, 0.2569



13.8017, 0.6327, 0.3358



13.8017, 0.5653, 0.4347

Triad

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



13.8017, 0.6327, 0.3358



13.8017, 0.1735, 0.5845



13.8017, 0.1296, 0.1128

Complementary

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



13.8017, 0.6327, 0.3358



39.6741, 0.2158, 0.2967

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.



13.8017, 0.0831, 0.1241



13.8017, 0.6327, 0.3358



13.8017, 0.0939, 0.3338

Square

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



13.8017, 0.6327, 0.3358



13.8017, 0.2981, 0.6694



13.8017, 0.0710, 0.1814



13.8017, 0.2306, 0.1325

Rectangle

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



13.8017, 0.6327, 0.3358



13.8017, 0.4825, 0.5175



13.8017, 0.0710, 0.1814



13.8017, 0.1094, 0.1129

Sweetspot

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



13.8026, 0.6327, 0.3358



59.7072, 0.3781, 0.3373



16.8280, 0.3480, 0.1691



11.8468, 0.3909, 0.3385



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.



13.8026, 0.6327, 0.3358



21.9878, 0.6338, 0.3350



27.7412, 0.5126, 0.4312



11.9975, 0.3288, 0.3314



8.7585, 0.6313, 0.3369



0.5568, 0.6077, 0.3557

Inverse Universe

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



39.6741, 0.2158, 0.2967



63.3970, 0.2157, 0.2963



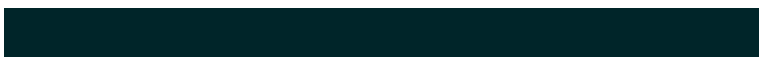
10.6675, 0.1681, 0.1250



13.1945, 0.2983, 0.3266



25.0699, 0.2159, 0.2972



1.4620, 0.2177, 0.3035

Previews

White Background



This preview shows how the Yxy color 13.8017, 0.6327, 0.3358 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

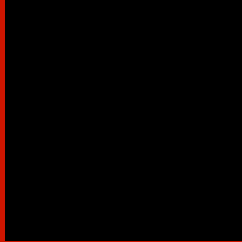
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 13.8017, 0.6327, 0.3358

Background



This preview shows how black text looks on a background with the Yxy color 13.8017, 0.6327, 0.3358.



This preview shows how white text looks on a background with the Yxy color 13.8017, 0.6327, 0.3358.

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

13.8017, 0.6327, 0.3358

Protanopia

14.2342, 0.4257, 0.4730

Deuteranopia

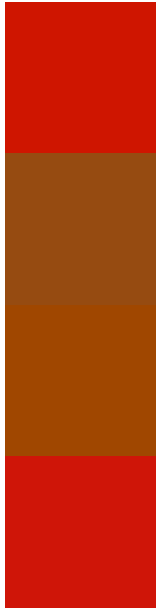
14.1009, 0.4696, 0.4653



Tritanopia

13.8283, 0.6275, 0.3329

Trichromacy



Original Color

13.8017, 0.6327, 0.3358

Protanomaly

11.5567, 0.5292, 0.4025

Deuteranomaly

11.9801, 0.5554, 0.3972

Tritanomaly

13.8193, 0.6293, 0.3339

Monochromacy



Original Color

13.8017, 0.6327, 0.3358

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.0752, 0.4829, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8017, 0.6327, 0.3358 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(207, 21, 0)` looks like.

```
.text, #text, p{  
    color:rgb(207, 21, 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(207, 21, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 21, 0) }
```

Border

The CSS property to change the border of an element to Yxy 13.8017, 0.6327, 0.3358 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(207, 21, 0) }
```

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

```
.border{ border-color:rgb(207, 21, 0) }
```

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

Here you see how a box with a 4 pixel rgb(207, 21, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 21, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 21, 0);  
box-shadow:4px 4px 4px 4px rgb(207, 21, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 13.8017, 0.6327, 0.3358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 21, 0) }
```

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

```
.background{ background-color: rgb(207, 21,  
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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