

Converting Colors

$Y_{xy}(13.8382, 0.6225, 0.3299)$

Have a look what the booklet for
Yxy(13.8382, 0.6225, 0.3299)
contains.

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Color

Yxy(13.8559, 0.6223, 0.3299)

Conversions

Conversions Part 1

Format	Color
Hex	CF1515
RGB	207, 21, 21
RGB Percent	81%, 8%, 8%
CMY	0.1882, 0.9176, 0.9175
CMYK	0.00, 0.90, 0.90, 0.19
HSL	360°, 82%, 45%
HSV	360°, 90%, 81%
XYZ	26.1368, 13.8559, 2.0076
YIQ	76.6140, 110.8560, 39.4320

Conversions

Conversions Part 2

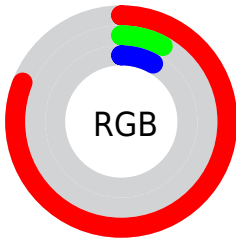
Format	Color
RYB	207, 21, 21
Decimal	13571349
CIELab	44.03, 66.41, 50.66
CIElCh	44, 83.526, 37.334
Yxy	13.8559, 0.6223, 0.3299
Android (android.graphics.Color)	4291761429 (0xFFCF1515)
YUV	76.6140, -27.4177, 114.3485
Hunter-Lab	37.2235, 60.1941, 22.8587

Details

The Yxy color **13.8559, 0.6223, 0.3299** 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 **49.2912, 0.2260, 0.3288**, and the grayscale version is **7.3839, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3316, 0.5480, 0.3486**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2733, 0.6398, 0.3300**, and if you desaturate by 10%, it is **15.0664, 0.5903, 0.3298**.

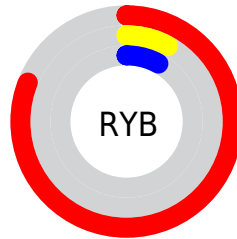
Distribution



Red (81%)

Green (8%)

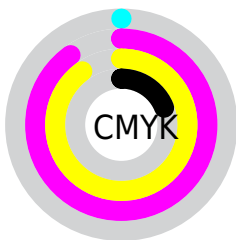
Blue (8%)



Red (81%)

Yellow (8%)

Blue (8%)

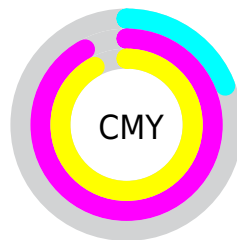


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (19%)



Cyan (19%)


Magenta (92%)


Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8559, 0.6223, 0.3299 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 13.8559, 0.6223, 0.3299 by changing the saturation by 10% instead.


 13.8559, 0.6223,
0.3299


 13.8559, 0.6223,
0.3299


216.3325, 0.4486,
0.3520


 8.0205, 0.6653,
0.3128


 32.8331, 0.5582,
0.3463


 4.1081, 0.7163,
0.2837

 46.7438, 0.5339,
0.3497

 1.7342, 0.7671,
0.2329

 64.1149, 0.5136,
0.3516

 0.4457, 0.8587,
0.1413

 85.3310, 0.4964,
0.3525


 0.0000, 1.0000,
0.0000

 110.7764, 0.4817,
0.3528

 0.0000, 0.0000,
0.0000


 140.8355, 0.4691,

0.3527


 175.8928, 0.4582,
0.3525


 13.8559, 0.6223,
0.3299

 13.8559, 0.6223,
0.3299

 13.2733, 0.6398,
0.3300


 15.0664, 0.5903,
0.3298

 13.2660, 0.6401,
0.3300

 17.1082, 0.5465,
0.3297


 20.0955, 0.4985,
0.3295


 24.1239, 0.4527,
0.3294

 29.2776, 0.4125,
0.3293

 35.6318, 0.3790,
0.3292

 43.2557, 0.3517,
0.3291

 52.2127, 0.3299,
0.3290

 62.5625, 0.3125,
0.3290

Harmonies

Analogous

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



13.8559, 0.5505, 0.2517



13.8559, 0.6223, 0.3299



13.8559, 0.5747, 0.4253

Triad

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



13.8559, 0.6223, 0.3299



13.8559, 0.1952, 0.5934



13.8559, 0.1273, 0.1187

Complementary

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



13.8559, 0.6223, 0.3299



49.2912, 0.2260, 0.3288

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.



13.8559, 0.0860, 0.1348



13.8559, 0.6223, 0.3299



13.8559, 0.1082, 0.3623

Square

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



13.8559, 0.6223, 0.3299



13.8559, 0.3205, 0.6484



13.8559, 0.0783, 0.2005



13.8559, 0.2183, 0.1344

Rectangle

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



13.8559, 0.6223, 0.3299



13.8559, 0.4985, 0.5015



13.8559, 0.0783, 0.2005



13.8559, 0.1091, 0.1201

Sweetspot

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



13.8568, 0.6223, 0.3299



59.9929, 0.3715, 0.3292



17.8656, 0.3170, 0.1556



12.0017, 0.3818, 0.3292



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.



13.8568, 0.6223, 0.3299



21.2601, 0.6401, 0.3300



24.6684, 0.5255, 0.4110



11.8083, 0.3291, 0.3290



8.3578, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Inverse Universe

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



13.8568, 0.6223, 0.3299



21.2601, 0.6401, 0.3300



17.4119, 0.1854, 0.1799



11.8083, 0.3291, 0.3290



8.3578, 0.6401, 0.3300



0.4673, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 13.8559, 0.6223, 0.3299 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 13.8559, 0.6223, 0.3299 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 13.8559, 0.6223, 0.3299

Background



This preview shows how black text looks on a background with the Yxy color 13.8559, 0.6223, 0.3299.



This preview shows how white text looks on a background with the Yxy color 13.8559, 0.6223, 0.3299.

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

13.8559, 0.6223, 0.3299

Protanopia

14.3061, 0.4151, 0.4572

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.8709, 0.6261, 0.3327

Trichromacy



Original Color

13.8559, 0.6223, 0.3299

Protanomaly

11.6205, 0.5157, 0.3903

Deuteranomaly

11.9976, 0.5515, 0.3940

Tritanomaly

13.8797, 0.6244, 0.3318

Monochromacy



Original Color

13.8559, 0.6223, 0.3299

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5067, 0.4614, 0.3294

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8559, 0.6223, 0.3299 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(207, 21, 21)  
}
```

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, 21) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 13.8559, 0.6223, 0.3299 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, 21) }
```

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

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

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, 21)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 13.8559, 0.6223, 0.3299 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, 21) }
```

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

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

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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