

Converting Colors

$Y_{xy}(13.8220, 0.6177, 0.3271)$

Have a look what the booklet for
Yxy(13.8220, 0.6177, 0.3271)
contains.

Yxy(13.8809, 0.6177, 0.3273)	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(13.8809, 0.6177, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	CF151B
RGB	207, 21, 27
RGB Percent	81%, 8%, 11%
CMY	0.1883, 0.9175, 0.8943
CMYK	0.00, 0.90, 0.87, 0.19
HSL	358°, 82%, 45%
HSV	358°, 90%, 81%
XYZ	26.1969, 13.8809, 2.3326
YIQ	77.2980, 108.9300, 41.2980

Conversions

Conversions Part 2

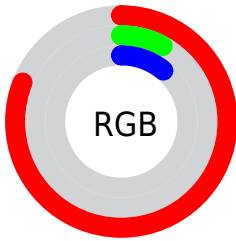
Format	Color
RYB	207, 21, 27
Decimal	13571355
CIELab	44.06, 66.51, 48.01
CIElCh	44, 82.023, 35.824
Yxy	13.8809, 0.6177, 0.3273
Android (android.graphics.Color)	4291761435 (0xFFCF151B)
YUV	77.2980, -24.7969, 113.7487
Hunter-Lab	37.2571, 60.3102, 22.3680

Details

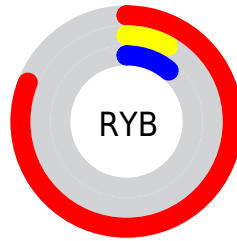
The Yxy color **13.8809, 0.6177, 0.3273** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **49.0047, 0.2285, 0.3375**, and the grayscale version is **7.5162, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3953, 0.5430, 0.3450**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.2875, 0.6369, 0.3284**, and if you desaturate by 10%, it is **15.1081, 0.5839, 0.3260**.

Distribution



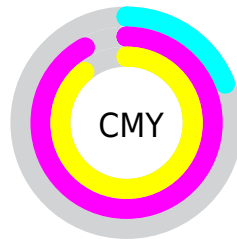
- Red (81%)
- Green (8%)
- Blue (11%)



- Red (81%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (90%)
- Yellow (87%)
- Black (19%)





- Cyan (19%)
- Magenta (92%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8809, 0.6177, 0.3273 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 13.8809, 0.6177, 0.3273 by changing the saturation by 10% instead.


 13.8809, 0.6177,
0.3273


 13.8809, 0.6177,
0.3273


216.4886, 0.4453,
0.3493


 8.0379, 0.6606,
0.3104


 32.8776, 0.5533,
0.3431


 4.1192, 0.7164,
0.2836

 46.8000, 0.5292,
0.3465


 1.7405, 0.7671,
0.2329

 64.1843, 0.5091,
0.3483

 0.4496, 0.8582,
0.1418

 85.4150, 0.4921,
0.3493

 0.0000, 1.0000,
0.0000


 110.8763, 0.4777,
0.3497


 0.0000, 0.0000,
0.0000


 140.9528, 0.4654,


0.3498


 176.0288, 0.4546,
0.3496


 13.8809, 0.6177,
0.3273


 13.8809, 0.6177,
0.3273


 13.2875, 0.6369,
0.3284

 15.1081, 0.5839,
0.3260

 13.2791, 0.6372,
0.3284

 17.1647, 0.5398,
0.3252

 20.1634, 0.4926,
0.3250

 24.1988, 0.4480,
0.3253

 29.3542, 0.4091,
0.3259

■ 35.7041, 0.3768,
0.3267

■ 43.3169, 0.3505,
0.3275

■ 52.2556, 0.3293,
0.3283

■ 62.5792, 0.3125,
0.3290

Harmonies

Analogous

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



13.8809, 0.5393, 0.2494



13.8809, 0.6177, 0.3273



13.8809, 0.5768, 0.4208

Triad

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



13.8809, 0.6177, 0.3273



13.8809, 0.2036, 0.5962



13.8809, 0.1264, 0.1209

Complementary

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



13.8809, 0.6177, 0.3273



49.0047, 0.2285, 0.3375

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.



13.8809, 0.0871, 0.1390



13.8809, 0.6177, 0.3273



13.8809, 0.1140, 0.3734

Square

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



13.8809, 0.6177, 0.3273



13.8809, 0.3290, 0.6405



13.8809, 0.0812, 0.2082



13.8809, 0.2138, 0.1350

Rectangle

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



13.8809, 0.6177, 0.3273



13.8809, 0.5044, 0.4956



13.8809, 0.0812, 0.2082



13.8809, 0.1090, 0.1230

Sweetspot

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



13.8818, 0.6177, 0.3273



60.0864, 0.3696, 0.3269



17.4323, 0.3133, 0.1536



12.0229, 0.3796, 0.3266



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.



13.8818, 0.6177, 0.3273



21.2777, 0.6378, 0.3287



24.0071, 0.5297, 0.4075



11.8142, 0.3286, 0.3283



8.3695, 0.6363, 0.3279



0.4702, 0.6242, 0.3212

Inverse Universe

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



13.8818, 0.6177, 0.3273



21.2777, 0.6378, 0.3287



18.1508, 0.1868, 0.1852



11.8142, 0.3286, 0.3283



8.3695, 0.6363, 0.3279



0.4702, 0.6242, 0.3212

Previews

White Background



This preview shows how the Yxy color 13.8809, 0.6177, 0.3273 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 13.8809, 0.6177, 0.3273 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 13.8809, 0.6177, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 13.8809, 0.6177, 0.3273.



This preview shows how white text looks on a background with the Yxy color 13.8809, 0.6177, 0.3273.

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

13.8809, 0.6177, 0.3273

Protanopia

14.2794, 0.4077, 0.4491

Deuteranopia

14.1009, 0.4696, 0.4653



Tritanopia

13.9156, 0.6245, 0.3325

Trichromacy



Original Color

13.8809, 0.6177, 0.3273

Protanomaly

11.6561, 0.5085, 0.3838

Deuteranomaly

12.0020, 0.5505, 0.3932

Tritanomaly

13.8897, 0.6225, 0.3307

Monochromacy



Original Color

13.8809, 0.6177, 0.3273

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.5271, 0.4568, 0.3255

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8809, 0.6177, 0.3273 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(207, 21, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 21, 27) }
```

Border

The CSS property to change the border of an element to Yxy 13.8809, 0.6177, 0.3273 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, 27) }
```

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

```
.border{ border-color:rgb(207, 21, 27) }
```

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, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 21, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 21, 27);  
box-shadow:4px 4px 4px 4px rgb(207, 21,  
27) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8809, 0.6177, 0.3273 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, 27) }
```

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

```
.background{ background-color: rgb(207, 21,  
27) }
```

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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