

Converting Colors

$Y_{xy}(13.9013, 0.6077, 0.3271)$

Have a look what the booklet for
Yxy(13.9013, 0.6077, 0.3271)
contains.

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Color

Yxy(13.9194, 0.6079, 0.3271)

Conversions

Conversions Part 1

Format	Color
Hex	CD1C21
RGB	205, 28, 33
RGB Percent	80%, 11%, 13%
CMY	0.1961, 0.8902, 0.8704
CMYK	0.00, 0.86, 0.84, 0.20
HSL	358°, 76%, 46%
HSV	358°, 86%, 80%
XYZ	25.8686, 13.9194, 2.7660
YIQ	81.4930, 103.8870, 39.0790

Conversions

Conversions Part 2

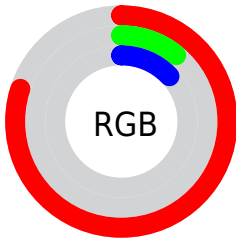
Format	Color
RYB	205, 28, 33
Decimal	13442081
CIELab	44.12, 64.90, 44.86
CIElCh	44, 78.895, 34.650
Yxy	13.9194, 0.6079, 0.3271
Android (android.graphics.Color)	4291632161 (0xFFCD1C21)
YUV	81.4930, -23.9070, 108.3156
Hunter-Lab	37.3087, 58.4754, 21.7204

Details

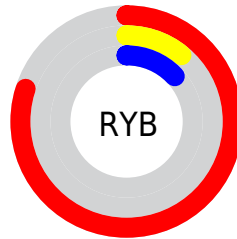
The Yxy color **13.9194, 0.6079, 0.3271** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **48.0799, 0.2289, 0.3363**, and the grayscale version is **8.3647, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0089, 0.5343, 0.3430**, and **5.6627, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.1721, 0.6318, 0.3285**, and if you desaturate by 10%, it is **15.3912, 0.5698, 0.3260**.

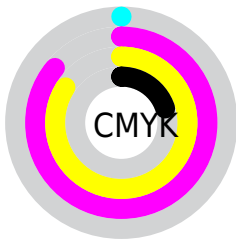
Distribution



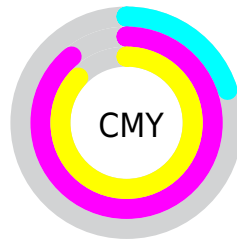
- Red (80%)
- Green (11%)
- Blue (13%)



- Red (80%)
- Yellow (11%)
- Blue (13%)



- Cyan (0%)
- Magenta (86%)
- Yellow (84%)
- Black (20%)





- Cyan (20%)
- Magenta (89%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.9194, 0.6079, 0.3271 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 13.9194, 0.6079, 0.3271 by changing the saturation by 10% instead.


 13.9194, 0.6079,
0.3271


 13.9194, 0.6079,
0.3271


216.7288, 0.4394,
0.3471


 8.0646, 0.6509,
0.3114


 32.9459, 0.5441,
0.3415

 4.1363, 0.7120,
0.2880

 46.8865, 0.5205,
0.3445


 1.7501, 0.7623,
0.2377

 64.2911, 0.5010,
0.3462

 0.4558, 0.8532,
0.1468

 85.5442, 0.4846,
0.3471

 0.0000, 1.0000,
0.0000


 111.0301, 0.4707,
0.3475


 0.0000, 0.0000,
0.0000


 141.1333, 0.4587,

0.3475


 176.2380, 0.4484,
0.3473


 13.9194, 0.6079,
0.3271


 13.9194, 0.6079,
0.3271


 13.1721, 0.6318,
0.3285

 15.3912, 0.5698,
0.3260

 12.9928, 0.6374,
0.3285

 17.7150, 0.5238,
0.3255

 20.9941, 0.4769,
0.3255

 25.3166, 0.4341,
0.3259

 30.7607, 0.3973,
0.3265

■ 37.3969, 0.3671,
0.3272

■ 45.2901, 0.3426,
0.3279

■ 54.5005, 0.3231,
0.3286

■ 65.0844, 0.3074,
0.3292

Harmonies

Analogous

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



13.9194, 0.5257, 0.2497



13.9194, 0.6079, 0.3271



13.9194, 0.5728, 0.4172

Triad

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



13.9194, 0.6079, 0.3271



13.9194, 0.2135, 0.5898



13.9194, 0.1287, 0.1259

Complementary

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



13.9194, 0.6079, 0.3271



48.0799, 0.2289, 0.3363

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.



13.9194, 0.0911, 0.1458



13.9194, 0.6079, 0.3271



13.9194, 0.1224, 0.3811

Square

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



13.9194, 0.6079, 0.3271



13.9194, 0.3372, 0.6276



13.9194, 0.0870, 0.2173



13.9194, 0.2126, 0.1386

Rectangle

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



13.9194, 0.6079, 0.3271



13.9194, 0.5083, 0.4917



13.9194, 0.0870, 0.2173



13.9194, 0.1120, 0.1284

Sweetspot

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



13.9203, 0.6079, 0.3271



61.2700, 0.3670, 0.3272



17.3948, 0.3135, 0.1557



12.2489, 0.3769, 0.3269



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.



13.9203, 0.6079, 0.3271



21.2760, 0.6381, 0.3289



24.3454, 0.5212, 0.4089



11.2188, 0.3286, 0.3284



8.0904, 0.6366, 0.3281



0.4192, 0.6251, 0.3217

Inverse Universe

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



13.9203, 0.6079, 0.3271



21.2760, 0.6381, 0.3289



18.6723, 0.1897, 0.1914



11.2188, 0.3286, 0.3284



8.0904, 0.6366, 0.3281



0.4192, 0.6251, 0.3217

Previews

White Background



This preview shows how the Yxy color 13.9194, 0.6079, 0.3271 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 13.9194, 0.6079, 0.3271 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 13.9194, 0.6079, 0.3271

Background



This preview shows how black text looks on a background with the Yxy color 13.9194, 0.6079, 0.3271.



This preview shows how white text looks on a background with the Yxy color 13.9194, 0.6079, 0.3271.

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

13.9194, 0.6079, 0.3271

Protanopia

14.3379, 0.4000, 0.4375

Deuteranopia

14.1184, 0.4665, 0.4615



Tritanopia

13.9324, 0.6137, 0.3314

Trichromacy



Original Color

13.9194, 0.6079, 0.3271

Protanomaly

12.0278, 0.4934, 0.3806

Deuteranomaly

12.3090, 0.5404, 0.3948

Tritanomaly

13.9466, 0.6112, 0.3299

Monochromacy



Original Color

13.9194, 0.6079, 0.3271

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.2510, 0.4438, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9194, 0.6079, 0.3271 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(205, 28, 33)` looks like.

```
.text, #text, p{  
    color:rgb(205, 28, 33)  
}
```

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(205, 28, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 28, 33) }
```

Border

The CSS property to change the border of an element to Yxy 13.9194, 0.6079, 0.3271 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(205, 28, 33) }
```

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

```
.border{ border-color:rgb(205, 28, 33) }
```

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

Here you see how a box with a 4 pixel rgb(205, 28, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 28, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 28, 33);  
box-shadow:4px 4px 4px 4px rgb(205, 28,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9194, 0.6079, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 28, 33) }
```

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

```
.background{ background-color: rgb(205, 28,  
33) }
```

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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