

Converting Colors

$Y_{xy}(13.4575, 0.6161, 0.3267)$

Have a look what the booklet for
Yxy(13.4575, 0.6161, 0.3267)
contains.

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Color

Yxy(13.4575, 0.6161, 0.3267)

Conversions

Conversions Part 1

Format	Color
Hex	CC151C
RGB	204, 21, 28
RGB Percent	80%, 8%, 11%
CMY	0.2000, 0.9175, 0.8903
CMYK	0.00, 0.90, 0.86, 0.20
HSL	358°, 81%, 44%
HSV	358°, 90%, 80%
XYZ	25.3785, 13.4575, 2.3562
YIQ	76.5150, 106.8210, 40.9730

Conversions

Conversions Part 2

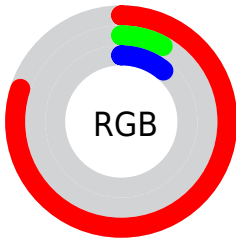
Format	Color
RYB	204, 21, 28
Decimal	13374748
CIELab	43.44, 65.74, 46.76
CIELCh	43, 80.673, 35.422
Yxy	13.4575, 0.6161, 0.3267
Android (android.graphics.Color)	4291564828 (0xFFCC151C)
YUV	76.5150, -23.9179, 111.8043
Hunter-Lab	36.6845, 59.2895, 21.8710

Details

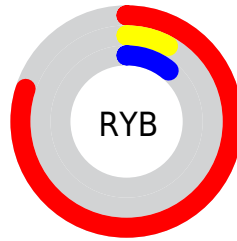
The Yxy color **13.4575, 0.6161, 0.3267** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **47.3784, 0.2290, 0.3392**, and the grayscale version is **7.3608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.2366, 0.5428, 0.3434**, and **5.5754, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.8690, 0.6361, 0.3280**, and if you desaturate by 10%, it is **14.6635, 0.5817, 0.3252**.

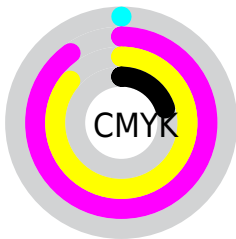
Distribution



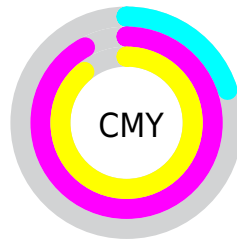
- Red (80%)
- Green (8%)
- Blue (11%)



- Red (80%)
- Yellow (8%)
- Blue (11%)



- Cyan (0%)
- Magenta (90%)
- Yellow (86%)
- Black (20%)




- Cyan (20%)
- Magenta (92%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4575, 0.6161, 0.3267 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 13.4575, 0.6161, 0.3267 by changing the saturation by 10% instead.


 13.4575, 0.6161,
0.3267


 13.4575, 0.6161,
0.3267


213.8293, 0.4434,
0.3485


 7.7443, 0.6597,
0.3098


 32.1233, 0.5511,
0.3424


 3.9318, 0.7171,
0.2829

 45.8447, 0.5270,
0.3457


 1.6355, 0.7688,
0.2312

 63.0043, 0.5069,
0.3476

 0.3813, 0.8696,
0.1304

 83.9865, 0.4900,
0.3485

 0.0000, 1.0000,
0.0000


 109.1757, 0.4756,
0.3489


 0.0000, 0.0000,
0.0000

 138.9563, 0.4633,


0.3490


 173.7127, 0.4527,
0.3488

 13.4575, 0.6161,
0.3267


 13.4575, 0.6161,
0.3267


 12.8690, 0.6361,
0.3280


 14.6635, 0.5817,
0.3252

 12.8537, 0.6366,
0.3280

 16.6727, 0.5375,
0.3243

 19.5935, 0.4905,
0.3241

 23.5166, 0.4463,
0.3246

 28.5218, 0.4079,
0.3253

■ 34.6811, 0.3758,
0.3262

■ 42.0601, 0.3498,
0.3272

■ 50.7196, 0.3290,
0.3281

■ 60.7161, 0.3122,
0.3290

Harmonies

Analogous

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



13.4575, 0.5361, 0.2489



13.4575, 0.6161, 0.3267



13.4575, 0.5770, 0.4197

Triad

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



13.4575, 0.6161, 0.3267



13.4575, 0.2060, 0.5964



13.4575, 0.1263, 0.1217

Complementary

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



13.4575, 0.6161, 0.3267



47.3784, 0.2290, 0.3392

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.



13.4575, 0.0876, 0.1404



13.4575, 0.6161, 0.3267



13.4575, 0.1157, 0.3762

Square

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



13.4575, 0.6161, 0.3267



13.4575, 0.3314, 0.6382



13.4575, 0.0822, 0.2104



13.4575, 0.2127, 0.1354

Rectangle

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



13.4575, 0.6161, 0.3267



13.4575, 0.5059, 0.4941



13.4575, 0.0822, 0.2104



13.4575, 0.1091, 0.1239

Sweetspot

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



13.4584, 0.6161, 0.3267



60.1045, 0.3693, 0.3264



16.4792, 0.3096, 0.1517



12.0270, 0.3791, 0.3261



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.



13.4584, 0.6161, 0.3267



21.2811, 0.6374, 0.3285



22.6657, 0.5334, 0.4040



11.2204, 0.3284, 0.3282



8.0937, 0.6355, 0.3275



0.4200, 0.6204, 0.3191

Inverse Universe

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



13.4584, 0.6161, 0.3267



21.2811, 0.6374, 0.3285



18.3568, 0.1884, 0.1908



11.2204, 0.3284, 0.3282



8.0937, 0.6355, 0.3275



0.4200, 0.6204, 0.3191

Previews

White Background



This preview shows how the Yxy color 13.4575, 0.6161, 0.3267 looks on a white background.

Color Contrast Check

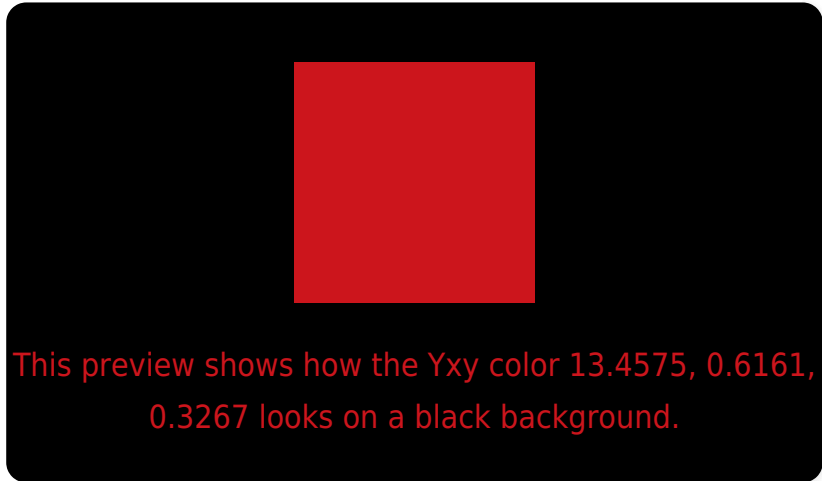
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4575, 0.6161, 0.3267

Background



This preview shows how black text looks on a background with the Yxy color 13.4575, 0.6161, 0.3267.



This preview shows how white text looks on a background with the Yxy color 13.4575, 0.6161, 0.3267.

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

13.4575, 0.6161, 0.3267

Protanopia

13.8109, 0.4074, 0.4449

Deuteranopia

13.8292, 0.4700, 0.4650



Tritanopia

13.4906, 0.6234, 0.3323

Trichromacy



Original Color

13.4575, 0.6161, 0.3267

Protanomaly

11.3399, 0.5063, 0.3820

Deuteranomaly

11.7975, 0.5487, 0.3945

Tritanomaly

13.4653, 0.6212, 0.3303

Monochromacy



Original Color

13.4575, 0.6161, 0.3267

Achromatopsia

7.4214, 0.3127, 0.3290

Achromatomaly

7.4530, 0.4550, 0.3254

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4575, 0.6161, 0.3267 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(204, 21, 28)` looks like.

```
.text, #text, p{  
  color:rgb(204, 21, 28)  
}
```

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(204, 21, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 21, 28) }
```

Border

The CSS property to change the border of an element to Yxy 13.4575, 0.6161, 0.3267 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(204, 21, 28) }
```

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

```
.border{ border-color:rgb(204, 21, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 21, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 21, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 21, 28);  
box-shadow:4px 4px 4px 4px rgb(204, 21,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4575, 0.6161, 0.3267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 21, 28) }
```

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

```
.background{ background-color: rgb(204, 21,  
28) }
```

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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