

Converting Colors

$Y_{xy}(13.1659, 0.5968, 0.3272)$

Have a look what the booklet for
Yxy(13.1659, 0.5968, 0.3272)
contains.

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Color

Yxy(13.0916, 0.5974, 0.3272)

Conversions

Conversions Part 1

Format	Color
Hex	C52125
RGB	197, 33, 37
RGB Percent	77%, 13%, 15%
CMY	0.2275, 0.8705, 0.8549
CMYK	0.00, 0.83, 0.81, 0.23
HSL	359°, 71%, 45%
HSV	359°, 83%, 77%
XYZ	23.9026, 13.0916, 3.0168
YIQ	82.4920, 96.4600, 36.0120

Conversions

Conversions Part 2

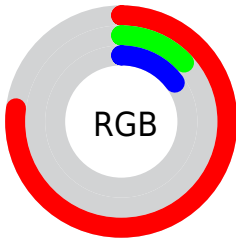
Format	Color
R_{YB}	197, 33, 37
Decimal	12919077
CIE Lab	42.90, 61.72, 41.03
CIE LCh	43, 74.114, 33.619
Yxy	13.0916, 0.5974, 0.3272
Android (android.graphics.Color)	4291109157 (0xFFC52125)
YUV	82.4920, -22.4276, 100.4235
Hunter-Lab	36.1823, 54.6007, 20.3841

Details

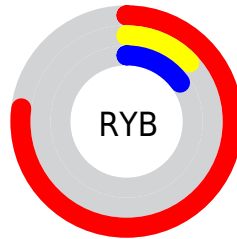
The Yxy color **13.0916, 0.5974, 0.3272** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **44.1051, 0.2294, 0.3348**, and the grayscale version is **8.5765, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2503, 0.5292, 0.3407**, and **5.0683, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2088, 0.6261, 0.3284**, and if you desaturate by 10%, it is **14.6788, 0.5560, 0.3264**.

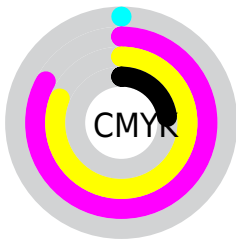
Distribution



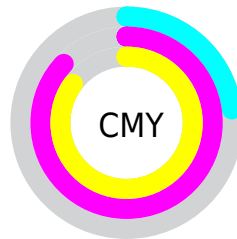
- Red (77%)
- Green (13%)
- Blue (15%)



- Red (77%)
- Yellow (13%)
- Blue (15%)



- Cyan (0%)
- Magenta (83%)
- Yellow (81%)
- Black (23%)





- Cyan (23%)
- Magenta (87%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0916, 0.5974, 0.3272 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 13.0916, 0.5974, 0.3272 by changing the saturation by 10% instead.


 13.0916, 0.5974,
0.3272


 13.0916, 0.5974,
0.3272


211.5039, 0.4320,
0.3451


 7.4917, 0.6416,
0.3124


 31.4682, 0.5335,
0.3403


 3.7714, 0.7088,
0.2912

 45.0137, 0.5103,
0.3430


 1.5465, 0.7607,
0.2393

 61.9765, 0.4912,
0.3445

 0.3212, 0.8742,
0.1258

 82.7410, 0.4754,
0.3453

 0.0000, 1.0000,
0.0000


 107.6916, 0.4619,
0.3455


 0.0000, 0.0000,
0.0000


 137.2127, 0.4505,


0.3456


 171.6887, 0.4406,
0.3454

 13.0916, 0.5974,
0.3272


 13.0916, 0.5974,
0.3272


 12.2088, 0.6261,
0.3284


 14.6788, 0.5560,
0.3264

 11.8799, 0.6377,
0.3287

 17.0739, 0.5091,
0.3261

 20.3662, 0.4631,
0.3262

 24.6322, 0.4220,
0.3266

 29.9406, 0.3873,
0.3271

■ 36.3537, 0.3589,
0.3277

■ 43.9289, 0.3361,
0.3283

■ 52.7198, 0.3178,
0.3288

■ 62.7765, 0.3032,
0.3294

Harmonies

Analogous

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



13.0916, 0.5127, 0.2505



13.0916, 0.5974, 0.3272



13.0916, 0.5684, 0.4148

Triad

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



13.0916, 0.5974, 0.3272



13.0916, 0.2227, 0.5818



13.0916, 0.1317, 0.1311

Complementary

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



13.0916, 0.5974, 0.3272



44.1051, 0.2294, 0.3348

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.



13.0916, 0.0956, 0.1526



13.0916, 0.5974, 0.3272



13.0916, 0.1309, 0.3869

Square

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



13.0916, 0.5974, 0.3272



13.0916, 0.3446, 0.6152



13.0916, 0.0931, 0.2259



13.0916, 0.2124, 0.1426

Rectangle

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



13.0916, 0.5974, 0.3272



13.0916, 0.5108, 0.4884



13.0916, 0.0931, 0.2259



13.0916, 0.1155, 0.1342

Sweetspot

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



13.0924, 0.5974, 0.3272



62.4717, 0.3645, 0.3276



16.2653, 0.3137, 0.1583



12.4781, 0.3744, 0.3273



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.



13.0924, 0.5974, 0.3272



21.2735, 0.6384, 0.3290



23.0337, 0.5127, 0.4096



10.6410, 0.3286, 0.3285



7.8163, 0.6371, 0.3283



0.3716, 0.6267, 0.3226

Inverse Universe

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



13.0924, 0.5974, 0.3272



21.2735, 0.6384, 0.3290



17.9029, 0.1926, 0.1973



10.6410, 0.3286, 0.3285



7.8163, 0.6371, 0.3283



0.3716, 0.6267, 0.3226

Previews

White Background



This preview shows how the Yxy color 13.0916, 0.5974, 0.3272 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 13.0916, 0.5974, 0.3272

Background



This preview shows how black text looks on a background with the Yxy color 13.0916, 0.5974, 0.3272.



This preview shows how white text looks on a background with the Yxy color 13.0916, 0.5974, 0.3272.

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

13.0916, 0.5974, 0.3272

Protanopia

13.4870, 0.3933, 0.4295

Deuteranopia

13.2744, 0.4589, 0.4522



Tritanopia

13.1187, 0.6022, 0.3311

Trichromacy



Original Color

13.0916, 0.5974, 0.3272

Protanomaly

11.5915, 0.4822, 0.3787

Deuteranomaly

11.8467, 0.5271, 0.3910

Tritanomaly

13.1299, 0.6001, 0.3299

Monochromacy



Original Color

13.0916, 0.5974, 0.3272

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.4590, 0.4328, 0.3273

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0916, 0.5974, 0.3272 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(197, 33, 37)` looks like.

```
.text, #text, p{  
    color:rgb(197, 33, 37)  
}
```

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(197, 33, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 33, 37) }
```

Border

The CSS property to change the border of an element to Yxy 13.0916, 0.5974, 0.3272 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(197, 33, 37) }
```

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

```
.border{ border-color:rgb(197, 33, 37) }
```

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

Here you see how a box with a 4 pixel rgb(197, 33, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 33, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 33, 37);  
box-shadow:4px 4px 4px 4px rgb(197, 33,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0916, 0.5974, 0.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 33, 37) }
```

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

```
.background{ background-color: rgb(197, 33,  
37) }
```

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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