

Converting Colors

$Y_{xy}(13.8882, 0.6168, 0.3214)$

Have a look what the booklet for
Yxy(13.8882, 0.6168, 0.3214)
contains.

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Color

Yxy(13.8989, 0.6172, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	D10B20
RGB	209, 11, 32
RGB Percent	82%, 4%, 13%
CMY	0.1804, 0.9566, 0.8744
CMYK	0.00, 0.95, 0.85, 0.18
HSL	354°, 90%, 43%
HSV	354°, 95%, 82%
XYZ	26.6741, 13.8989, 2.6449
YIQ	72.5960, 111.2670, 48.5070

Conversions

Conversions Part 2

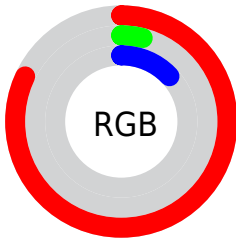
Format	Color
RYB	209, 11, 32
Decimal	13699872
CIELab	44.09, 68.36, 45.68
CIELCh	44, 82.214, 33.751
Yxy	13.8989, 0.6172, 0.3216
Android (android.graphics.Color)	4291889952 (0xFFD10B20)
YUV	72.5960, -20.0138, 119.6263
Hunter-Lab	37.2812, 62.4718, 21.8905

Details

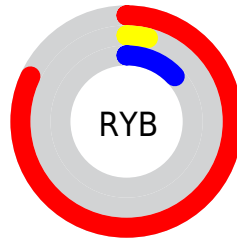
The Yxy color **13.8989, 0.6172, 0.3216** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **49.3024, 0.2341, 0.3605**, and the grayscale version is **6.6166, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9548, 0.5402, 0.3386**, and **6.0197, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **13.6130, 0.6287, 0.3237**, and if you desaturate by 10%, it is **14.8221, 0.5863, 0.3171**.

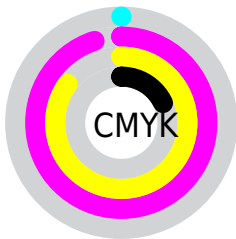
Distribution



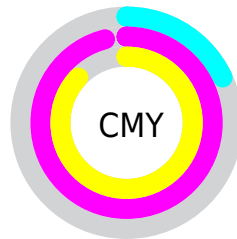
- Red (82%)
- Green (4%)
- Blue (13%)



- Red (82%)
- Yellow (4%)
- Blue (13%)



- Cyan (0%)
- Magenta (95%)
- Yellow (85%)
- Black (18%)





- Cyan (18%)
- Magenta (96%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8989, 0.6172, 0.3216 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 13.8989, 0.6172, 0.3216 by changing the saturation by 10% instead.


 13.8989, 0.6172,
0.3216


 13.8989, 0.6172,
0.3216


216.6010, 0.4441,
0.3457


 8.0504, 0.6608,
0.3046


 32.9095, 0.5520,
0.3378


 4.1272, 0.7210,
0.2790

 46.8404, 0.5278,
0.3414


 1.7450, 0.7719,
0.2281

 64.2343, 0.5077,
0.3436

 0.4525, 0.8621,
0.1379

 85.4754, 0.4908,
0.3448


 0.0000, 1.0000,
0.0000


 110.9482, 0.4764,
0.3455


 0.0000, 0.0000,
0.0000


 141.0372, 0.4641,


0.3458


 176.1266, 0.4534,
0.3458


 13.8989, 0.6172,
0.3216


 13.8989, 0.6172,
0.3216

 13.6130, 0.6287,
0.3237

 14.8221, 0.5863,
0.3171

 16.5230, 0.5452,
0.3145

 19.1265, 0.5002,
0.3138

 22.7351, 0.4568,
0.3148

 27.4371, 0.4182,
0.3168

■ 33.3113, 0.3856,
0.3195

■ 40.4292, 0.3588,
0.3223

■ 48.8567, 0.3371,
0.3251

■ 58.6549, 0.3197,
0.3278

Harmonies

Analogous

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



13.8989, 0.5295, 0.2440



13.8989, 0.6172, 0.3216



13.8989, 0.5822, 0.4130

Triad

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



13.8989, 0.6172, 0.3216



13.8989, 0.2114, 0.6077



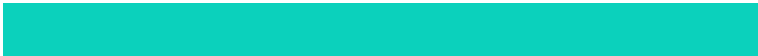
13.8989, 0.1222, 0.1208

Complementary

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



13.8989, 0.6172, 0.3216



49.3024, 0.2341, 0.3605

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.



13.8989, 0.0855, 0.1415



13.8989, 0.6172, 0.3216



13.8989, 0.1179, 0.3890

Square

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



13.8989, 0.6172, 0.3216



13.8989, 0.3384, 0.6371



13.8989, 0.0818, 0.2157



13.8989, 0.2056, 0.1329

Rectangle

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



13.8989, 0.6172, 0.3216



13.8989, 0.5128, 0.4872



13.8989, 0.0818, 0.2157



13.8989, 0.1057, 0.1236

Sweetspot

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



13.8998, 0.6172, 0.3216



59.1437, 0.3679, 0.3213



15.2710, 0.2930, 0.1405



11.6314, 0.3797, 0.3200



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.



13.8998, 0.6172, 0.3216



21.3391, 0.6302, 0.3246



20.3852, 0.5633, 0.3859



11.8283, 0.3274, 0.3266



8.4009, 0.6266, 0.3225



0.4768, 0.5910, 0.3029

Inverse Universe

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



13.8998, 0.6172, 0.3216



21.3391, 0.6302, 0.3246



21.4832, 0.1911, 0.2047



11.8283, 0.3274, 0.3266



8.4009, 0.6266, 0.3225



0.4768, 0.5910, 0.3029

Previews

White Background



This preview shows how the Yxy color 13.8989, 0.6172, 0.3216 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 13.8989, 0.6172, 0.3216 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 13.8989, 0.6172, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 13.8989, 0.6172, 0.3216.



This preview shows how white text looks on a background with the Yxy color 13.8989, 0.6172, 0.3216.

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

13.8989, 0.6172, 0.3216

Protanopia

14.3379, 0.4000, 0.4375

Deuteranopia

14.1827, 0.4710, 0.4642



Tritanopia

13.9879, 0.6342, 0.3346

Trichromacy



Original Color

13.8989, 0.6172, 0.3216

Protanomaly

11.1800, 0.5048, 0.3688

Deuteranomaly

11.7379, 0.5556, 0.3874

Tritanomaly

13.9235, 0.6303, 0.3308

Monochromacy



Original Color

13.8989, 0.6172, 0.3216

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.7243, 0.4633, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8989, 0.6172, 0.3216 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(209, 11, 32)` looks like.

```
.text, #text, p{  
    color:rgb(209, 11, 32)  
}
```

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(209, 11, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 11, 32) }
```

Border

The CSS property to change the border of an element to Yxy 13.8989, 0.6172, 0.3216 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(209, 11, 32) }
```

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

```
.border{ border-color:rgb(209, 11, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 11, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 11, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 11, 32);  
box-shadow:4px 4px 4px 4px rgb(209, 11,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8989, 0.6172, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 11, 32) }
```

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

```
.background{ background-color: rgb(209, 11,  
32) }
```

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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