

Converting Colors

$Y_{xy}(13.2244, 0.6162, 0.3248)$

Have a look what the booklet for
Yxy(13.2244, 0.6162, 0.3248)
contains.

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Color

Yxy(13.2178, 0.6162, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	CB121D
RGB	203, 18, 29
RGB Percent	80%, 7%, 11%
CMY	0.2039, 0.9295, 0.8860
CMYK	0.00, 0.91, 0.86, 0.20
HSL	356°, 84%, 43%
HSV	356°, 91%, 80%
XYZ	25.0687, 13.2178, 2.3962
YIQ	74.5690, 106.7290, 42.6410

Conversions

Conversions Part 2

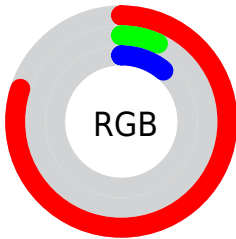
Format	Color
RYB	203, 18, 29
Decimal	13308445
CIELab	43.09, 65.96, 45.83
CIELCh	43, 80.316, 34.795
Yxy	13.2178, 0.6162, 0.3249
Android (android.graphics.Color)	4291498525 (0xFFCB121D)
YUV	74.5690, -22.4655, 112.6340
Hunter-Lab	36.3563, 59.4571, 21.5417

Details

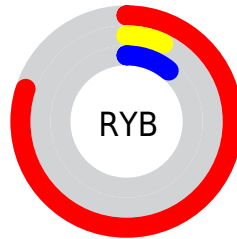
The Yxy color **13.2178, 0.6162, 0.3249** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **46.6463, 0.2305, 0.3456**, and the grayscale version is **6.9814, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0803, 0.5426, 0.3418**, and **5.4890, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.7243, 0.6344, 0.3269**, and if you desaturate by 10%, it is **14.3168, 0.5827, 0.3225**.

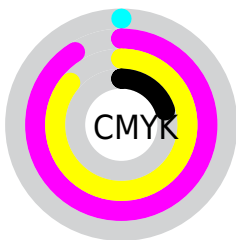
Distribution



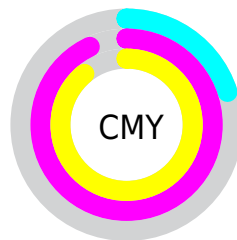
- Red (80%)
- Green (7%)
- Blue (11%)



- Red (80%)
- Yellow (7%)
- Blue (11%)



- Cyan (0%)
- Magenta (91%)
- Yellow (86%)
- Black (20%)





- Cyan (20%)
- Magenta (93%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.2178, 0.6162, 0.3249 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 13.2178, 0.6162, 0.3249 by changing the saturation by 10% instead.


 13.2178, 0.6162,
0.3249


 13.2178, 0.6162,
0.3249


212.3088, 0.4427,
0.3474


 7.5787, 0.6603,
0.3078


 31.6945, 0.5506,
0.3408


 3.8266, 0.7191,
0.2809

 45.3009, 0.5263,
0.3442


 1.5770, 0.7716,
0.2284

 62.3319, 0.5062,
0.3462

 0.3420, 0.8787,
0.1213

 83.1718, 0.4893,
0.3472


 0.0000, 1.0000,
0.0000


 108.2051, 0.4749,
0.3477


 0.0000, 0.0000,
0.0000

 137.8160, 0.4626,


0.3478


 172.3892, 0.4520,
0.3477


 13.2178, 0.6162,
0.3249


 13.2178, 0.6162,
0.3249

 12.7243, 0.6344,
0.3269

 14.3168, 0.5827,
0.3225

 16.1914, 0.5393,
0.3211

 18.9506, 0.4929,
0.3209

 22.6856, 0.4491,
0.3216

 27.4760, 0.4106,
0.3228

■ 33.3936, 0.3785,
0.3243

■ 40.5035, 0.3523,
0.3258

■ 48.8660, 0.3313,
0.3274

■ 58.5374, 0.3144,
0.3288

Harmonies

Analogous

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



13.2178, 0.5334, 0.2472



13.2178, 0.6162, 0.3249



13.2178, 0.5790, 0.4174

Triad

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



13.2178, 0.6162, 0.3249



13.2178, 0.2082, 0.6002



13.2178, 0.1249, 0.1216

Complementary

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



13.2178, 0.6162, 0.3249



46.6463, 0.2305, 0.3456

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.



13.2178, 0.0869, 0.1410



13.2178, 0.6162, 0.3249



13.2178, 0.1168, 0.3809

Square

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



13.2178, 0.6162, 0.3249



13.2178, 0.3342, 0.6377



13.2178, 0.0822, 0.2125



13.2178, 0.2102, 0.1346

Rectangle

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



13.2178, 0.6162, 0.3249



13.2178, 0.5085, 0.4915



13.2178, 0.0822, 0.2125



13.2178, 0.1080, 0.1240

Sweetspot

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



13.2186, 0.6162, 0.3249



60.1706, 0.3680, 0.3249



15.7782, 0.3056, 0.1488



12.0421, 0.3776, 0.3243



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.



13.2186, 0.6162, 0.3249



21.2952, 0.6356, 0.3275



21.5069, 0.5411, 0.3996



11.2244, 0.3281, 0.3277



8.1017, 0.6329, 0.3260



0.4219, 0.6097, 0.3132

Inverse Universe

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



13.2186, 0.6162, 0.3249



21.2952, 0.6356, 0.3275



18.5648, 0.1889, 0.1938



11.2244, 0.3281, 0.3277



8.1017, 0.6329, 0.3260



0.4219, 0.6097, 0.3132

Previews

White Background



This preview shows how the Yxy color 13.2178, 0.6162, 0.3249 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 13.2178, 0.6162, 0.3249 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 13.2178, 0.6162, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 13.2178, 0.6162, 0.3249.



This preview shows how white text looks on a background with the Yxy color 13.2178, 0.6162, 0.3249.

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

13.2178, 0.6162, 0.3249

Protanopia

13.5587, 0.4047, 0.4407

Deuteranopia

13.5607, 0.4704, 0.4647



Tritanopia

13.2619, 0.6265, 0.3327

Trichromacy



Original Color

13.2178, 0.6162, 0.3249

Protanomaly

10.9979, 0.5053, 0.3768

Deuteranomaly

11.4485, 0.5508, 0.3918

Tritanomaly

13.2438, 0.6234, 0.3303

Monochromacy



Original Color

13.2178, 0.6162, 0.3249

Achromatopsia

7.0360, 0.3127, 0.3290

Achromatomaly

7.0814, 0.4589, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2178, 0.6162, 0.3249 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(203, 18, 29)` looks like.

```
.text, #text, p{  
    color:rgb(203, 18, 29)  
}
```

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(203, 18, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 18, 29) }
```

Border

The CSS property to change the border of an element to Yxy 13.2178, 0.6162, 0.3249 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(203, 18, 29) }
```

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

```
.border{ border-color:rgb(203, 18, 29) }
```

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

Here you see how a box with a 4 pixel rgb(203, 18, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 18, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 18, 29);  
box-shadow:4px 4px 4px 4px rgb(203, 18,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2178, 0.6162, 0.3249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 18, 29) }
```

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

```
.background{ background-color: rgb(203, 18,  
29) }
```

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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