

Converting Colors

$Y_{xy}(12.8620, 0.6124, 0.3216)$

Have a look what the booklet for
Yxy(12.8620, 0.6124, 0.3216)
contains.

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Color

Yxy(12.8979, 0.6125, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	C91021
RGB	201, 16, 33
RGB Percent	79%, 6%, 13%
CMY	0.2117, 0.9373, 0.8707
CMYK	0.00, 0.92, 0.84, 0.21
HSL	354°, 85%, 43%
HSV	354°, 92%, 79%
XYZ	24.5493, 12.8979, 2.6333
YIQ	73.2530, 104.8030, 44.5070

Conversions

Conversions Part 2

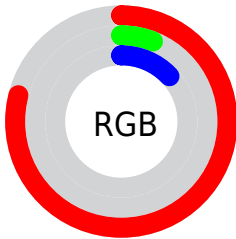
Format	Color
R_{YB}	201, 16, 33
Decimal	13176865
CIE Lab	42.61, 65.80, 43.21
CIE LCh	43, 78.719, 33.295
Yxy	12.8979, 0.6125, 0.3218
Android (android.graphics.Color)	4291366945 (0xFFC91021)
YUV	73.2530, -19.8447, 112.0341
Hunter-Lab	35.9136, 59.1674, 20.7922

Details

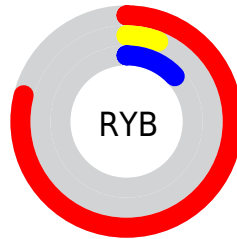
The Yxy color **12.8979, 0.6125, 0.3218** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **45.3493, 0.2331, 0.3553**, and the grayscale version is **6.7289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9693, 0.5391, 0.3379**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.4642, 0.6305, 0.3247**, and if you desaturate by 10%, it is **13.9268, 0.5787, 0.3182**.

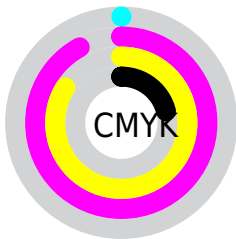
Distribution



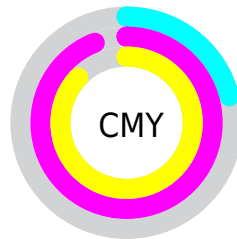
- Red (79%)
- Green (6%)
- Blue (13%)



- Red (79%)
- Yellow (6%)
- Blue (13%)



- Cyan (0%)
- Magenta (92%)
- Yellow (84%)
- Black (21%)





- Cyan (21%)
- Magenta (94%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8979, 0.6125, 0.3218 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 12.8979, 0.6125, 0.3218 by changing the saturation by 10% instead.


 12.8979, 0.6125,
0.3218


 12.8979, 0.6125,
0.3218

210.2623, 0.4395,
0.3448


 7.3583, 0.6575,
0.3049


 31.1202, 0.5463,
0.3375


 3.6872, 0.7209,
0.2791

 44.5717, 0.5221,
0.3410

 1.5001, 0.7742,
0.2258

 61.4293, 0.5021,
0.3430

 0.2888, 0.8912,
0.1088

 82.0774, 0.4853,
0.3441

 0.0000, 1.0000,
0.0000


 106.9003, 0.4711,
0.3447


 0.0000, 0.0000,
0.0000


 136.2825, 0.4590,


0.3450

 170.6084, 0.4486,
0.3450

 12.8979, 0.6125,
0.3218

 12.8979, 0.6125,
0.3218


 12.4642, 0.6305,
0.3247

 13.9268, 0.5787,
0.3182

 15.7009, 0.5359,
0.3163

 18.3274, 0.4905,
0.3161

 21.8957, 0.4477,
0.3172

 26.4838, 0.4102,
0.3191

■ 32.1614, 0.3787,
0.3214

■ 38.9923, 0.3531,
0.3239

■ 47.0353, 0.3323,
0.3263

■ 56.3452, 0.3157,
0.3286

Harmonies

Analogous

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



12.8979, 0.5236, 0.2444



12.8979, 0.6125, 0.3218



12.8979, 0.5807, 0.4123

Triad

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



12.8979, 0.6125, 0.3218



12.8979, 0.2157, 0.6038



12.8979, 0.1235, 0.1232

Complementary

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



12.8979, 0.6125, 0.3218



45.3493, 0.2331, 0.3553

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.



12.8979, 0.0874, 0.1446



12.8979, 0.6125, 0.3218



12.8979, 0.1217, 0.3918

Square

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



12.8979, 0.6125, 0.3218



12.8979, 0.3420, 0.6317



12.8979, 0.0844, 0.2197



12.8979, 0.2055, 0.1346

Rectangle

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



12.8979, 0.6125, 0.3218



12.8979, 0.5141, 0.4859



12.8979, 0.0844, 0.2197



12.8979, 0.1073, 0.1262

Sweetspot

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



12.8987, 0.6125, 0.3218



59.0998, 0.3687, 0.3223



14.5946, 0.2977, 0.1442



11.6213, 0.3808, 0.3212



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.



12.8987, 0.6125, 0.3218



21.3236, 0.6321, 0.3256



19.7674, 0.5519, 0.3919



10.6525, 0.3275, 0.3269



7.8421, 0.6285, 0.3236



0.3769, 0.5927, 0.3039

Inverse Universe

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



12.8987, 0.6125, 0.3218



21.3236, 0.6321, 0.3256



19.5059, 0.1913, 0.2034



10.6525, 0.3275, 0.3269



7.8421, 0.6285, 0.3236



0.3769, 0.5927, 0.3039

Previews

White Background



This preview shows how the Yxy color 12.8979, 0.6125, 0.3218 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 12.8979, 0.6125, 0.3218 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 12.8979, 0.6125, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 12.8979, 0.6125, 0.3218.



This preview shows how white text looks on a background with the Yxy color 12.8979, 0.6125, 0.3218.

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

12.8979, 0.6125, 0.3218

Protanopia

13.2614, 0.3980, 0.4332

Deuteranopia

13.2384, 0.4654, 0.4603



Tritanopia

12.9444, 0.6272, 0.3327

Trichromacy



Original Color

12.8979, 0.6125, 0.3218

Protanomaly

10.7157, 0.4982, 0.3706

Deuteranomaly

11.1465, 0.5461, 0.3879

Tritanomaly

12.9338, 0.6228, 0.3295

Monochromacy



Original Color

12.8979, 0.6125, 0.3218

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.7545, 0.4575, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8979, 0.6125, 0.3218 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(201, 16, 33)` looks like.

```
.text, #text, p{  
    color:rgb(201, 16, 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(201, 16, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 16, 33) }
```

Border

The CSS property to change the border of an element to Yxy 12.8979, 0.6125, 0.3218 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(201, 16, 33) }
```

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

```
.border{ border-color:rgb(201, 16, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 16, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 16, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 16, 33);  
box-shadow:4px 4px 4px 4px rgb(201, 16,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8979, 0.6125, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 16, 33) }
```

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

```
.background{ background-color: rgb(201, 16,  
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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