

Converting Colors

$Y_{xy}(12.0042, 0.6004, 0.3215)$

Have a look what the booklet for
Yxy(12.0042, 0.6004, 0.3215)
contains.

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Color

Yxy(11.9933, 0.6009, 0.3217)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | C01825 |
| RGB | 192, 24, 37 |
| RGB Percent | 75%, 9%, 15% |
| CMY | 0.2470, 0.9060, 0.8548 |
| CMYK | 0.00, 0.88, 0.81, 0.25 |
| HSL | 355°, 78%, 42% |
| HSV | 355°, 88%, 75% |
| XYZ | 22.4022, 11.9933, 2.8855 |
| YIQ | 75.7140, 95.9550, 39.6590 |

Conversions

Conversions Part 2

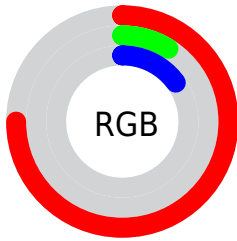
| Format | Color |
|-------------------------------------|--|
| RYB | 192, 24, 37 |
| Decimal | 12589093 |
| CIELab | 41.21, 62.28, 39.00 |
| CIElCh | 41, 73.484, 32.057 |
| Yxy | 11.9933, 0.6009, 0.3217 |
| Android (android.graphics.Color) | 4290779173 (0xFFC01825) |
| YUV | 75.7140, -19.0860, 101.9828 |
| Hunter-Lab | 34.6313, 54.8624, 19.3018 |

Details

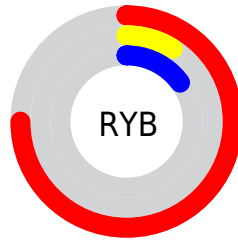
The Yxy color **11.9933, 0.6009, 0.3217** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **41.1536, 0.2326, 0.3498**, and the grayscale version is **7.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3667, 0.5331, 0.3364**, and **4.6671, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.3601, 0.6272, 0.3251**, and if you desaturate by 10%, it is **13.2216, 0.5624, 0.3192**.

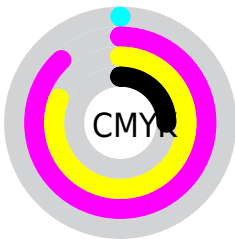
Distribution



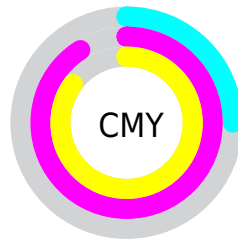
- Red (75%)
- Green (9%)
- Blue (15%)



- Red (75%)
- Yellow (9%)
- Blue (15%)



- Cyan (0%)
- Magenta (88%)
- Yellow (81%)
- Black (25%)




- Cyan (25%)
- Magenta (91%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9933, 0.6009, 0.3217 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 11.9933, 0.6009, 0.3217 by changing the saturation by 10% instead.


 11.9933, 0.6009,
0.3217


 11.9933, 0.6009,
0.3217


204.3609, 0.4312,
0.3426


 6.7391, 0.6473,
0.3057


 29.4829, 0.5345,
0.3361


 3.2995, 0.7178,
0.2822

 42.4871, 0.5107,
0.3392


 1.2900, 0.7733,
0.2267

 58.8435, 0.4912,
0.3410

 0.1335, 0.9354,
0.0646

 78.9363, 0.4750,
0.3420

 0.0000, 1.0000,
0.0000


 103.1501, 0.4614,
0.3425


 0.0000, 0.0000,
0.0000


 131.8692, 0.4499,


0.3427


 165.4780, 0.4399,
0.3427


 11.9933, 0.6009,
0.3217


 11.9933, 0.6009,
0.3217


 11.3601, 0.6272,
0.3251


 13.2216, 0.5624,
0.3192

 11.2428, 0.6320,
0.3255

 15.1675, 0.5175,
0.3182

 17.9190, 0.4724,
0.3185

 21.5511, 0.4314,
0.3198

 26.1301, 0.3962,
0.3216

■ 31.7158, 0.3671,
0.3236

■ 38.3634, 0.3435,
0.3256

■ 46.1239, 0.3245,
0.3276

■ 55.0449, 0.3092,
0.3294

Harmonies

Analogous

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



11.9933, 0.5091, 0.2450



11.9933, 0.6009, 0.3217



11.9933, 0.5760, 0.4094

Triad

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



11.9933, 0.6009, 0.3217



11.9933, 0.2262, 0.5951



11.9933, 0.1264, 0.1288

Complementary

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



11.9933, 0.6009, 0.3217



41.1536, 0.2326, 0.3498

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.



11.9933, 0.0921, 0.1522



11.9933, 0.6009, 0.3217



11.9933, 0.1312, 0.3988

Square

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



11.9933, 0.6009, 0.3217



11.9933, 0.3504, 0.6180



11.9933, 0.0911, 0.2296



11.9933, 0.2050, 0.1388

Rectangle

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



11.9933, 0.6009, 0.3217



11.9933, 0.5176, 0.4824



11.9933, 0.0911, 0.2296



11.9933, 0.1109, 0.1324

Sweetspot

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



11.9941, 0.6009, 0.3217



58.6889, 0.3642, 0.3238



13.9247, 0.3026, 0.1494



11.7713, 0.3735, 0.3231



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



11.9941, 0.6009, 0.3217



20.3539, 0.6337, 0.3265



19.2773, 0.5353, 0.3983



10.0903, 0.3277, 0.3272



7.5685, 0.6304, 0.3246



0.3315, 0.5975, 0.3065

Inverse Universe

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



11.9941, 0.6009, 0.3217



20.3539, 0.6337, 0.3265



17.9180, 0.1932, 0.2054



10.0903, 0.3277, 0.3272



7.5685, 0.6304, 0.3246



0.3315, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 11.9933, 0.6009, 0.3217 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 11.9933, 0.6009, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 11.9933, 0.6009, 0.3217.



This preview shows how white text looks on a background with the Yxy color 11.9933, 0.6009, 0.3217.

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

11.9933, 0.6009, 0.3217

Protanopia

12.3973, 0.3878, 0.4232

Deuteranopia

12.3484, 0.4565, 0.4524



Tritanopia

12.0522, 0.6139, 0.3320

Trichromacy



Original Color

11.9933, 0.6009, 0.3217

Protanomaly

10.3454, 0.4819, 0.3688

Deuteranomaly

10.7249, 0.5300, 0.3861

Tritanomaly

12.0291, 0.6099, 0.3287

Monochromacy



Original Color

11.9933, 0.6009, 0.3217

Achromatopsia

7.2272, 0.3127, 0.3290

Achromatomaly

7.1256, 0.4387, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9933, 0.6009, 0.3217 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(192, 24, 37)` looks like.

```
.text, #text, p{  
    color:rgb(192, 24, 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(192, 24, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 24, 37) }
```

Border

The CSS property to change the border of an element to Yxy 11.9933, 0.6009, 0.3217 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(192, 24, 37) }
```

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

```
.border{ border-color:rgb(192, 24, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 24, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 24, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 24, 37);  
box-shadow:4px 4px 4px 4px rgb(192, 24,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9933, 0.6009, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 24, 37) }
```

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

```
.background{ background-color: rgb(192, 24,  
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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