

Converting Colors

$Y_{xy}(12.2196, 0.6206, 0.3193)$

Have a look what the booklet for
Yxy(12.2196, 0.6206, 0.3193)
contains.

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Color

Yxy(12.2308, 0.6211, 0.3195)

Conversions

Conversions Part 1

Format	Color
Hex	C7001D
RGB	199, 0, 29
RGB Percent	78%, 0%, 11%
CMY	0.2196, 1.0000, 0.8860
CMYK	0.00, 1.00, 0.85, 0.22
HSL	351°, 100%, 39%
HSV	351°, 100%, 78%
XYZ	23.7764, 12.2308, 2.2739
YIQ	62.8070, 109.2950, 51.2070

Conversions

Conversions Part 2

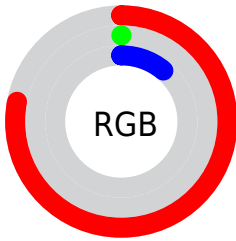
Format	Color
RYB	199, 0, 29
Decimal	13041693
CIELab	41.58, 66.85, 44.20
CIElCh	42, 80.143, 33.471
Yxy	12.2308, 0.6211, 0.3195
Android (android.graphics.Color)	4291231773 (0xFFC7001D)
YUV	62.8070, -16.6669, 119.4413
Hunter-Lab	34.9726, 60.1526, 20.6258

Details

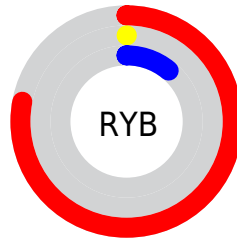
The Yxy color **12.2308, 0.6211, 0.3195** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **43.7486, 0.2377, 0.3758**, and the grayscale version is **4.9548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.1086, 0.5473, 0.3368**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.2316, 0.6211, 0.3195**, and if you desaturate by 10%, it is **12.8371, 0.5937, 0.3137**.

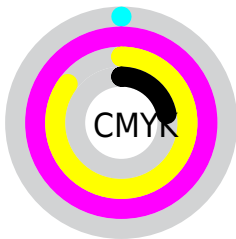
Distribution



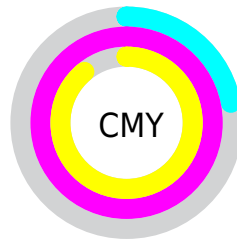
- Red (78%)
- Green (0%)
- Blue (11%)



- Red (78%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (85%)
- Black (22%)





- Cyan (22%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2308, 0.6211, 0.3195 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 12.2308, 0.6211, 0.3195 by changing the saturation by 10% instead.

 12.2308, 0.6211,
0.3195


 12.2308, 0.6211,
0.3195

205.9273, 0.4428,
0.3452

 6.9011, 0.6675,
0.3012


 29.9148, 0.5531,
0.3368


 3.4003, 0.7282,
0.2718

 43.0378, 0.5281,
0.3407


 1.3441, 0.7838,
0.2162

 59.5274, 0.5074,
0.3429

 0.1750, 0.9265,
0.0735

 79.7679, 0.4901,
0.3443


 0.0000, 1.0000,
0.0000


 104.1437, 0.4755,
0.3449

 0.0000, 0.0000,
0.0000


 133.0393, 0.4630,

0.3452

 166.8391, 0.4522,
0.3453


 12.2308, 0.6211,
0.3195


 12.2308, 0.6211,
0.3195

 12.2316, 0.6211,
0.3195

 12.8371, 0.5937,
0.3137

 14.0062, 0.5564,
0.3092

 15.9229, 0.5136,
0.3074

 18.6855, 0.4707,
0.3080

 22.3773, 0.4314,
0.3104

■ 27.0716, 0.3976,
0.3138

■ 32.8343, 0.3694,
0.3177

■ 39.7258, 0.3463,
0.3216

■ 47.8019, 0.3277,
0.3254

Harmonies

Analogous

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



12.2308, 0.5315, 0.2419



12.2308, 0.6211, 0.3195



12.2308, 0.5874, 0.4126

Triad

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



12.2308, 0.6211, 0.3195



12.2308, 0.2101, 0.6148



12.2308, 0.1197, 0.1188

Complementary

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



12.2308, 0.6211, 0.3195



43.7486, 0.2377, 0.3758

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.



12.2308, 0.0832, 0.1397



12.2308, 0.6211, 0.3195



12.2308, 0.1159, 0.3918

Square

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



12.2308, 0.6211, 0.3195



12.2308, 0.3393, 0.6429



12.2308, 0.0796, 0.2147



12.2308, 0.2030, 0.1306

Rectangle

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



12.2308, 0.6211, 0.3195



12.2308, 0.5143, 0.4857



12.2308, 0.0796, 0.2147



12.2308, 0.1033, 0.1216

Sweetspot

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



12.2316, 0.6211, 0.3195



57.0035, 0.3705, 0.3175



12.5756, 0.2831, 0.1333



11.2346, 0.3820, 0.3158



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.



12.2316, 0.6211, 0.3195



21.3951, 0.6235, 0.3209



16.4794, 0.5842, 0.3743



10.6618, 0.3267, 0.3257



7.8729, 0.6185, 0.3181



0.3811, 0.5689, 0.2908

Inverse Universe

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



12.2316, 0.6211, 0.3195



21.3951, 0.6235, 0.3209



19.9172, 0.1916, 0.2096



10.6618, 0.3267, 0.3257



7.8729, 0.6185, 0.3181



0.3811, 0.5689, 0.2908

Previews

White Background



This preview shows how the Yxy color 12.2308, 0.6211, 0.3195 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 12.2308, 0.6211, 0.3195 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 12.2308, 0.6211, 0.3195

Background



This preview shows how black text looks on a background with the Yxy color 12.2308, 0.6211, 0.3195.



This preview shows how white text looks on a background with the Yxy color 12.2308, 0.6211, 0.3195.

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

12.2308, 0.6211, 0.3195

Protanopia

12.9003, 0.4006, 0.4401

Deuteranopia

12.6964, 0.4702, 0.4648



Tritanopia

12.4384, 0.6335, 0.3352

Trichromacy



Original Color

12.2308, 0.6211, 0.3195

Protanomaly

9.6665, 0.5122, 0.3651

Deuteranomaly

10.0282, 0.5630, 0.3811

Tritanomaly

12.2693, 0.6311, 0.3299

Monochromacy



Original Color

12.2308, 0.6211, 0.3195

Achromatopsia

4.9707, 0.3127, 0.3290

Achromatomaly

5.2013, 0.4742, 0.3068

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2308, 0.6211, 0.3195 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(199, 0, 29)` looks like.

```
.text, #text, p{  
    color:rgb(199, 0, 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(199, 0, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 0, 29) }
```

Border

The CSS property to change the border of an element to Yxy 12.2308, 0.6211, 0.3195 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(199, 0, 29) }
```

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

```
.border{ border-color:rgb(199, 0, 29) }
```

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

Here you see how a box with a 4 pixel rgb(199, 0, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 0, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 0, 29);  
box-shadow:4px 4px 4px 4px rgb(199, 0, 29)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2308, 0.6211, 0.3195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 0, 29) }
```

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

```
.background{ background-color: rgb(199, 0,  
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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