

Converting Colors

$Y_{xy}(12.5011, 0.6094, 0.3214)$

Have a look what the booklet for
Yxy(12.5011, 0.6094, 0.3214)
contains.

Yxy(12.5539, 0.6096, 0.3216)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(12.5539, 0.6096, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	C61222
RGB	198, 18, 34
RGB Percent	78%, 7%, 13%
CMY	0.2235, 0.9295, 0.8665
CMYK	0.00, 0.91, 0.83, 0.22
HSL	355°, 83%, 42%
HSV	355°, 91%, 78%
XYZ	23.7962, 12.5539, 2.6857
YIQ	73.6440, 102.1440, 43.1360

Conversions

Conversions Part 2

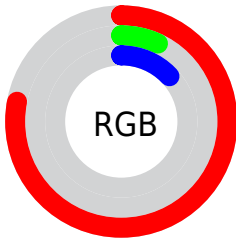
Format	Color
RYB	198, 18, 34
Decimal	12980770
CIELab	42.08, 64.77, 41.93
CIElCh	42, 77.158, 32.913
Yxy	12.5539, 0.6096, 0.3216
Android (android.graphics.Color)	4291170850 (0xFFC61222)
YUV	73.6440, -19.5445, 109.0602
Hunter-Lab	35.4315, 57.8776, 20.3079

Details

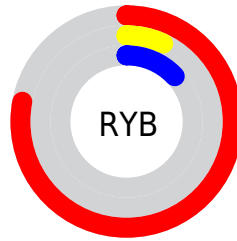
The Yxy color **12.5539, 0.6096, 0.3216** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark washed red. A complement of this color would be **43.8958, 0.2330, 0.3541**, and the grayscale version is **6.8022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.9839, 0.5380, 0.3371**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.0496, 0.6307, 0.3248**, and if you desaturate by 10%, it is **13.6278, 0.5745, 0.3183**.

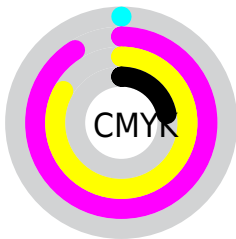
Distribution



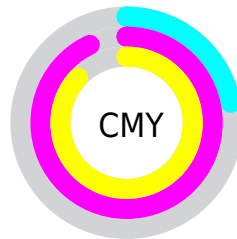
- Red (78%)
- Green (7%)
- Blue (13%)



- Red (78%)
- Yellow (7%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (83%)
- Black (22%)





- Cyan (22%)
- Magenta (93%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.5539, 0.6096, 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 12.5539, 0.6096, 0.3216 by changing the saturation by 10% instead.


 12.5539, 0.6096,
0.3216


 12.5539, 0.6096,
0.3216

208.0385, 0.4371,
0.3441


 7.1221, 0.6551,
0.3048


 30.5000, 0.5432,
0.3370


 3.5386, 0.7205,
0.2795

 43.7830, 0.5190,
0.3404

 1.4190, 0.7747,
0.2253

 60.4520, 0.4991,
0.3424

 0.2306, 0.9055,
0.0945

 80.8912, 0.4824,
0.3435

 0.0000, 1.0000,
0.0000


 105.4850, 0.4684,
0.3440


 0.0000, 0.0000,
0.0000


 134.6180, 0.4564,

0.3443


 168.6743, 0.4461,
0.3443

 12.5539, 0.6096,
0.3216

 12.5539, 0.6096,
0.3216

 12.0496, 0.6307,
0.3248

 13.6278, 0.5745,
0.3183

 15.4346, 0.5311,
0.3166

 18.0753, 0.4858,
0.3165

 21.6345, 0.4434,
0.3177

 26.1864, 0.4065,
0.3196

■ 31.7975, 0.3757,
0.3219

■ 38.5288, 0.3506,
0.3243

■ 46.4364, 0.3303,
0.3266

■ 55.5728, 0.3140,
0.3288

Harmonies

Analogous

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



12.5539, 0.5196, 0.2444



12.5539, 0.6096, 0.3216



12.5539, 0.5798, 0.4114

Triad

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



12.5539, 0.6096, 0.3216



12.5539, 0.2186, 0.6020



12.5539, 0.1240, 0.1246

Complementary

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



12.5539, 0.6096, 0.3216



43.8958, 0.2330, 0.3541

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.



12.5539, 0.0885, 0.1466



12.5539, 0.6096, 0.3216



12.5539, 0.1243, 0.3942

Square

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



12.5539, 0.6096, 0.3216



12.5539, 0.3446, 0.6282



12.5539, 0.0861, 0.2224



12.5539, 0.2051, 0.1356

Rectangle

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



12.5539, 0.6096, 0.3216



12.5539, 0.5153, 0.4847



12.5539, 0.0861, 0.2224



12.5539, 0.1081, 0.1277

Sweetspot

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



12.5547, 0.6096, 0.3216



60.2599, 0.3662, 0.3228



14.2136, 0.2981, 0.1449



12.0624, 0.3755, 0.3219



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.



12.5547, 0.6096, 0.3216



21.3209, 0.6325, 0.3258



19.3614, 0.5488, 0.3927



10.6521, 0.3276, 0.3270



7.8409, 0.6289, 0.3238



0.3767, 0.5940, 0.3046

Inverse Universe

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



12.5547, 0.6096, 0.3216



21.3209, 0.6325, 0.3258



19.1270, 0.1921, 0.2052



10.6521, 0.3276, 0.3270



7.8409, 0.6289, 0.3238



0.3767, 0.5940, 0.3046

Previews

White Background



This preview shows how the Yxy color 12.5539, 0.6096, 0.3216 looks on a white background.

Color Contrast Check

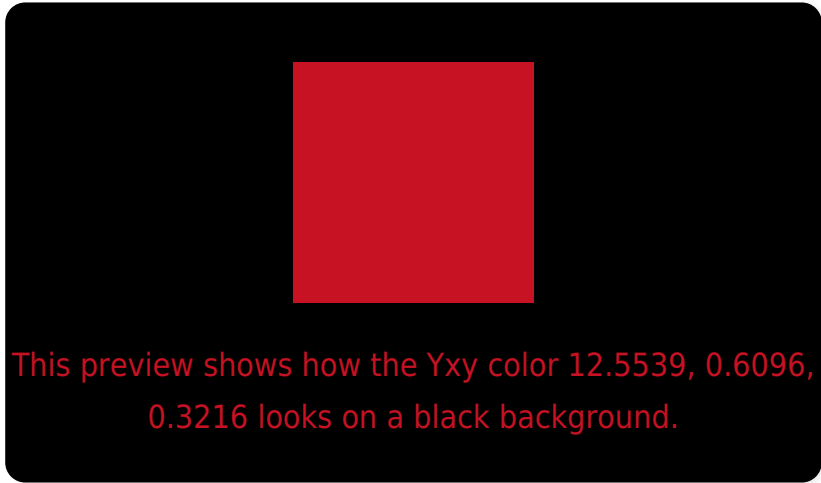
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 12.5539, 0.6096, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 12.5539, 0.6096, 0.3216.



This preview shows how white text looks on a background with the Yxy color 12.5539, 0.6096, 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

12.5539, 0.6096, 0.3216

Protanopia

12.9439, 0.3946, 0.4309

Deuteranopia

12.9095, 0.4624, 0.4587



Tritanopia

12.6141, 0.6241, 0.3327

Trichromacy



Original Color

12.5539, 0.6096, 0.3216

Protanomaly

10.5434, 0.4939, 0.3700

Deuteranomaly

10.9607, 0.5417, 0.3871

Tritanomaly

12.6000, 0.6198, 0.3295

Monochromacy



Original Color

12.5539, 0.6096, 0.3216

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

6.8760, 0.4510, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.5539, 0.6096, 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(198, 18, 34)` looks like.

```
.text, #text, p{  
    color:rgb(198, 18, 34)  
}
```

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(198, 18, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 18, 34) }
```

Border

The CSS property to change the border of an element to Yxy 12.5539, 0.6096, 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(198, 18, 34) }
```

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

```
.border{ border-color:rgb(198, 18, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 18, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 18, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 18, 34);  
box-shadow:4px 4px 4px 4px rgb(198, 18,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 12.5539, 0.6096, 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(198, 18, 34) }
```

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

```
.background{ background-color: rgb(198, 18,  
34) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor