

Converting Colors

$Y_{xy}(12.2639, 0.6289, 0.3338)$

Have a look what the booklet for
Yxy(12.2639, 0.6289, 0.3338)
contains.

Yxy(12.2190, 0.6290, 0.3335)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.2190, 0.6290, 0.3335)

Conversions

Conversions Part 1

Format	Color
Hex	C41308
RGB	196, 19, 8
RGB Percent	77%, 7%, 3%
CMY	0.2313, 0.9257, 0.9686
CMYK	0.00, 0.90, 0.96, 0.23
HSL	3°, 92%, 40%
HSV	3°, 96%, 77%
XYZ	23.0457, 12.2190, 1.3740
YIQ	70.6690, 109.0230, 34.1030

Conversions

Conversions Part 2

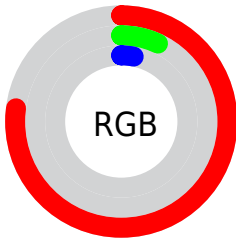
Format	Color
RYB	196, 20, 8
Decimal	12849928
CIELab	41.56, 63.67, 52.68
CIELCh	42, 82.641, 39.605
Yxy	12.2190, 0.6290, 0.3335
Android (android.graphics.Color)	4291040008 (0xFFC41308)
YUV	70.6690, -30.8958, 109.9153
Hunter-Lab	34.9557, 56.5098, 22.1386

Details

The Yxy color **12.2190, 0.6290, 0.3335** 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 **38.7750, 0.2204, 0.3115**, and the grayscale version is **6.2766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.7102, 0.5597, 0.3526**, and **4.9055, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **11.9869, 0.6362, 0.3331**, and if you desaturate by 10%, it is **13.1689, 0.6035, 0.3360**.

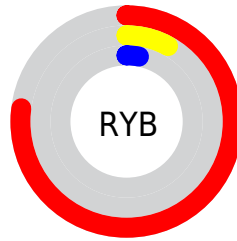
Distribution



Red (77%)

Green (7%)

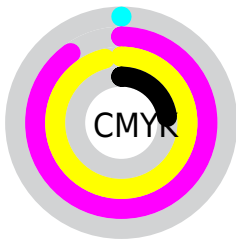
Blue (3%)



Red (77%)

Yellow (8%)

Blue (3%)

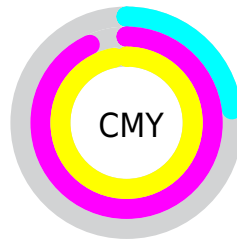


Cyan (0%)

Magenta (90%)

Yellow (96%)

Black (23%)



Cyan (23%)


Magenta (93%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.2190, 0.6290, 0.3335 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 12.2190, 0.6290, 0.3335 by changing the saturation by 10% instead.


 12.2190, 0.6290,
0.3335


 12.2190, 0.6290,
0.3335


 205.8498, 0.4506,
0.3561


 6.8930, 0.6777,
0.3167


 29.8933, 0.5635,
0.3514


 3.3953, 0.7199,
0.2801

 43.0105, 0.5385,
0.3549


 1.3414, 0.7750,
0.2250

 59.4935, 0.5175,
0.3567

 0.1729, 0.9225,
0.0775

 79.7267, 0.4998,
0.3574

 0.0000, 1.0000,
0.0000


 104.0945, 0.4847,
0.3575


 0.0000, 0.0000,
0.0000


 132.9814, 0.4717,


0.3572


 166.7717, 0.4604,
0.3567

 12.2190, 0.6290,
0.3335

 12.2190, 0.6290,
0.3335


 11.9869, 0.6362,
0.3331

 13.1689, 0.6035,
0.3360

 14.7609, 0.5649,
0.3377

 17.0832, 0.5195,
0.3381

 20.2094, 0.4737,
0.3375

 24.2041, 0.4319,
0.3363

■ 29.1253, 0.3961,
0.3348

■ 35.0261, 0.3663,
0.3331

■ 41.9556, 0.3421,
0.3314

■ 49.9594, 0.3225,
0.3299

Harmonies

Analogous

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



12.2190, 0.5679, 0.2549



12.2190, 0.6290, 0.3335



12.2190, 0.5692, 0.4308

Triad

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



12.2190, 0.6290, 0.3335



12.2190, 0.1821, 0.5887



12.2190, 0.1286, 0.1150

Complementary

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



12.2190, 0.6290, 0.3335



38.7750, 0.2204, 0.3115

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.



12.2190, 0.0841, 0.1282



12.2190, 0.6290, 0.3335



12.2190, 0.0994, 0.3452

Square

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



12.2190, 0.6290, 0.3335



12.2190, 0.3076, 0.6622



12.2190, 0.0737, 0.1888



12.2190, 0.2255, 0.1332

Rectangle

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



12.2190, 0.6290, 0.3335



12.2190, 0.4890, 0.5110



12.2190, 0.0737, 0.1888



12.2190, 0.1092, 0.1157

Sweetspot

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



12.2198, 0.6290, 0.3335



59.4420, 0.3762, 0.3337



15.4840, 0.3332, 0.1623



11.7442, 0.3892, 0.3344



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.



12.2198, 0.6290, 0.3335



21.5966, 0.6371, 0.3323



23.2162, 0.5193, 0.4224



10.1697, 0.3288, 0.3304



7.7434, 0.6351, 0.3339



0.3676, 0.6176, 0.3478

Inverse Universe

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



38.7750, 0.2204, 0.3115



69.6457, 0.2196, 0.3104



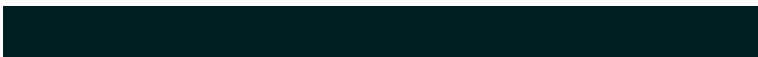
11.7997, 0.1754, 0.1484



11.3249, 0.2984, 0.3276



24.7949, 0.2197, 0.3110



1.1023, 0.2209, 0.3152

Previews

White Background



This preview shows how the Yxy color 12.2190, 0.6290, 0.3335 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 12.2190, 0.6290, 0.3335

Background



This preview shows how black text looks on a background with the Yxy color 12.2190, 0.6290, 0.3335.



This preview shows how white text looks on a background with the Yxy color 12.2190, 0.6290, 0.3335.

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

12.2190, 0.6290, 0.3335

Protanopia

12.6382, 0.4244, 0.4690

Deuteranopia

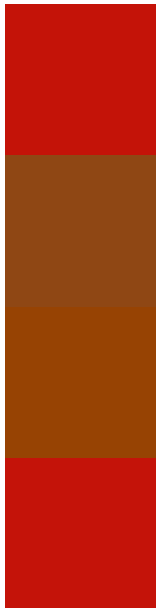
12.6200, 0.4688, 0.4660



Tritanopia

12.2234, 0.6280, 0.3330

Trichromacy



Original Color

12.2190, 0.6290, 0.3335

Protanomaly

10.3966, 0.5262, 0.3991

Deuteranomaly

10.6002, 0.5530, 0.3964

Tritanomaly

12.2212, 0.6285, 0.3333

Monochromacy



Original Color

12.2190, 0.6290, 0.3335

Achromatopsia

6.3010, 0.3127, 0.3290

Achromatomaly

6.3824, 0.4742, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.2190, 0.6290, 0.3335 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(196, 19, 8)` looks like.

```
.text, #text, p{  
    color:rgb(196, 19, 8)  
}
```

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(196, 19, 8) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 19, 8) }
```

Border

The CSS property to change the border of an element to Yxy 12.2190, 0.6290, 0.3335 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(196, 19, 8) }
```

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

```
.border{ border-color:rgb(196, 19, 8) }
```

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

Here you see how a box with a 4 pixel rgb(196, 19, 8) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 19, 8); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 19, 8);  
box-shadow:4px 4px 4px 4px rgb(196, 19, 8)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.2190, 0.6290, 0.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 19, 8) }
```

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

```
.background{ background-color: rgb(196, 19,  
8) }
```

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