

Converting Colors

$Y_{xy}(14.0210, 0.6196, 0.3462)$

Have a look what the booklet for
Yxy(14.0210, 0.6196, 0.3462)
contains.

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Color

Yxy(14.0076, 0.6198, 0.3461)

Conversions

Conversions Part 1

Format	Color
Hex	CA2700
RGB	202, 39, 0
RGB Percent	79%, 15%, 0%
CMY	0.2078, 0.8471, 1.0000
CMYK	0.00, 0.81, 1.00, 0.21
HSL	12°, 100%, 40%
HSV	12°, 100%, 79%
XYZ	25.0850, 14.0076, 1.3801
YIQ	83.2910, 109.6670, 22.4270

Conversions

Conversions Part 2

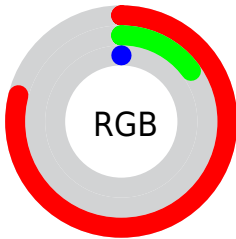
Format	Color
RYB	202, 48, 0
Decimal	13248256
CIELab	44.24, 61.05, 57.24
CIElCh	44, 83.685, 43.154
Yxy	14.0076, 0.6198, 0.3461
Android (android.graphics.Color)	4291438336 (0xFFCA2700)
YUV	83.2910, -41.0625, 104.1078
Hunter-Lab	37.4267, 54.1415, 24.0124

Details

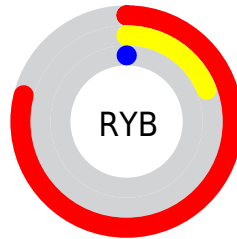
The Yxy color **14.0076, 0.6198, 0.3461** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.4672, 0.2071, 0.2655**, and the grayscale version is **8.7806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6502, 0.5520, 0.3639**, and **5.4033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.0086, 0.6198, 0.3461**, and if you desaturate by 10%, it is **15.3696, 0.5945, 0.3532**.

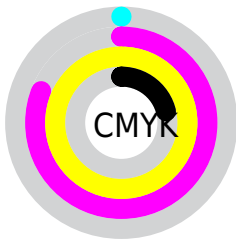
Distribution



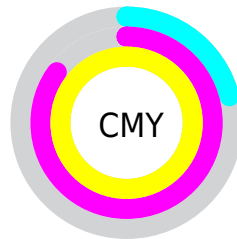
- Red (79%)
- Green (15%)
- Blue (0%)



- Red (79%)
- Yellow (19%)
- Blue (0%)



- Cyan (0%)
- Magenta (81%)
- Yellow (100%)
- Black (21%)




- Cyan (21%)
- Magenta (85%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.0076, 0.6198, 0.3461 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 14.0076, 0.6198, 0.3461 by changing the saturation by 10% instead.


 14.0076, 0.6198,
0.3461

 14.0076, 0.6198,
0.3461


 217.2781, 0.4512,
0.3623


 8.1260, 0.6635,
0.3314


 33.1025, 0.5593,
0.3614


 4.1756, 0.7014,
0.2986

 47.0846, 0.5358,
0.3640


 1.7723, 0.7505,
0.2495

 64.5355, 0.5159,
0.3651

 0.4698, 0.8408,
0.1592

 85.8398, 0.4989,
0.3653


 0.0000, 1.0000,
0.0000

 111.3818, 0.4844,
0.3649

 0.0000, 0.0000,
0.0000

 141.5460, 0.4718,


0.3642


 176.7166, 0.4608,
0.3633


 14.0076, 0.6198,
0.3461


 14.0076, 0.6198,
0.3461


 14.0086, 0.6198,
0.3461

 15.3696, 0.5945,
0.3532

 17.2966, 0.5599,
0.3581

 19.8533, 0.5194,
0.3596

 23.0900, 0.4778,
0.3581

 27.0517, 0.4388,
0.3545

■ 31.7792, 0.4043,
0.3497

■ 37.3104, 0.3748,
0.3444

■ 43.6808, 0.3501,
0.3390

■ 50.9235, 0.3296,
0.3338

Harmonies

Analogous

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



14.0076, 0.5750, 0.2668



14.0076, 0.6198, 0.3461



14.0076, 0.5541, 0.4459

Triad

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



14.0076, 0.6198, 0.3461



14.0076, 0.1742, 0.5541



14.0076, 0.1405, 0.1196

Complementary

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



14.0076, 0.6198, 0.3461



30.4672, 0.2071, 0.2655

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.



14.0076, 0.0913, 0.1289



14.0076, 0.6198, 0.3461



14.0076, 0.0987, 0.3214

Square

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



14.0076, 0.6198, 0.3461



14.0076, 0.2950, 0.6551



14.0076, 0.0775, 0.1822



14.0076, 0.2438, 0.1411

Rectangle

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



14.0076, 0.6198, 0.3461



14.0076, 0.4739, 0.5261



14.0076, 0.0775, 0.1822



14.0076, 0.1193, 0.1191

Sweetspot

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



14.0086, 0.6198, 0.3461



62.7517, 0.3759, 0.3446



15.2740, 0.3739, 0.1833



12.5436, 0.3880, 0.3469



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.



14.0086, 0.6198, 0.3461



23.4748, 0.6216, 0.3446



30.7471, 0.4893, 0.4497



11.5583, 0.3285, 0.3335



9.1125, 0.6177, 0.3477



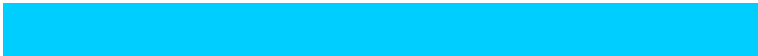
0.5771, 0.5807, 0.3771

Inverse Universe

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



30.4672, 0.2071, 0.2655



51.2584, 0.2068, 0.2646



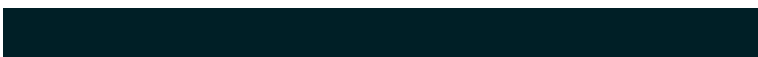
7.9283, 0.1619, 0.1027



12.3447, 0.2983, 0.3244



19.7277, 0.2074, 0.2665



1.1146, 0.2111, 0.2800

Previews

White Background



This preview shows how the Yxy color 14.0076, 0.6198, 0.3461 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 14.0076, 0.6198, 0.3461 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 14.0076, 0.6198, 0.3461

Background



This preview shows how black text looks on a background with the Yxy color 14.0076, 0.6198, 0.3461.



This preview shows how white text looks on a background with the Yxy color 14.0076, 0.6198, 0.3461.

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

14.0076, 0.6198, 0.3461

Protanopia

14.2960, 0.4285, 0.4739

Deuteranopia

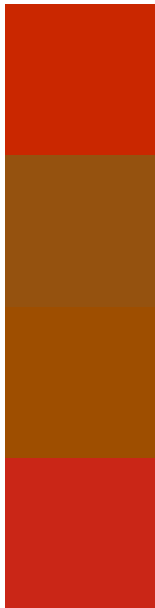
14.1009, 0.4696, 0.4653



Tritanopia

14.0071, 0.5978, 0.3305

Trichromacy



Original Color

14.0076, 0.6198, 0.3461

Protanomaly

12.4586, 0.5167, 0.4153

Deuteranomaly

12.7179, 0.5408, 0.4088

Tritanomaly

14.0046, 0.6089, 0.3383

Monochromacy



Original Color

14.0076, 0.6198, 0.3461

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7070, 0.4609, 0.3566

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.0076, 0.6198, 0.3461 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(202, 39, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 39, 0)  
}
```

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(202, 39, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 39, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.0076, 0.6198, 0.3461 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(202, 39, 0) }
```

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

```
.border{ border-color:rgb(202, 39, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 39, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 39, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 39, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 39, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.0076, 0.6198, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 39, 0) }
```

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

```
.background{ background-color: rgb(202, 39,  
0) }
```

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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