

Converting Colors

$Y_{xy}(14.8686, 0.6068, 0.3564)$

Have a look what the booklet for
Yxy(14.8686, 0.6068, 0.3564)
contains.

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Color

Yxy(14.8735, 0.6067, 0.3565)

Conversions

Conversions Part 1

Format	Color
Hex	C93400
RGB	201, 52, 0
RGB Percent	79%, 20%, 0%
CMY	0.2118, 0.7959, 1.0000
CMYK	0.00, 0.74, 1.00, 0.21
HSL	16°, 100%, 39%
HSV	16°, 100%, 79%
XYZ	25.3121, 14.8735, 1.5353
YIQ	90.6230, 105.4960, 15.4160

Conversions

Conversions Part 2

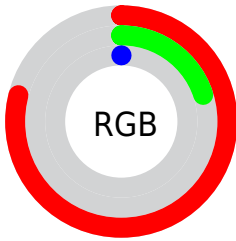
Format	Color
R_{YB}	201, 70, 0
Decimal	13186048
CIE Lab	45.46, 56.77, 57.65
CIE LCh	45, 80.909, 45.439
Yxy	14.8735, 0.6067, 0.3565
Android (android.graphics.Color)	4291376128 (0xFFC93400)
YUV	90.6230, -44.6771, 96.8006
Hunter-Lab	38.5662, 49.6638, 24.6360

Details

The Yxy color **14.8735, 0.6067, 0.3565** 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 **25.6944, 0.2006, 0.2423**, and the grayscale version is **10.4609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4828, 0.5425, 0.3716**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.8745, 0.6067, 0.3565**, and if you desaturate by 10%, it is **16.4723, 0.5806, 0.3648**.

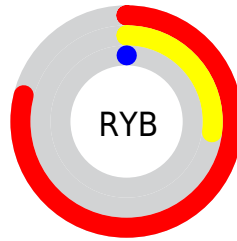
Distribution



Red (79%)

Green (20%)

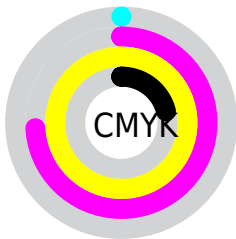
Blue (0%)



Red (79%)

Yellow (27%)

Blue (0%)

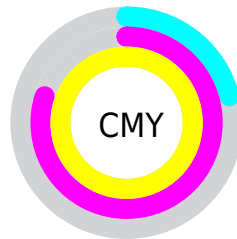


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (21%)



Cyan (21%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8735, 0.6067, 0.3565 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 14.8735, 0.6067, 0.3565 by changing the saturation by 10% instead.


 14.8735, 0.6067,
0.3565


 14.8735, 0.6067,
0.3565


 222.5993, 0.4462,
0.3655


 8.7307, 0.6469,
0.3435


 34.6311, 0.5492,
0.3686


 4.5659, 0.6850,
0.3150

 49.0147, 0.5268,
0.3702


 1.9949, 0.7307,
0.2693

 66.9139, 0.5079,
0.3705

 0.6045, 0.8071,
0.1929

 88.7132, 0.4917,
0.3701


 0.0000, 1.0000,
0.0000

 114.7970, 0.4778,
0.3692

 0.0000, 0.0000,
0.0000


 145.5497, 0.4658,

0.3680

 181.3557, 0.4554,
0.3668


 14.8735, 0.6067,
0.3565


 14.8735, 0.6067,
0.3565

 14.8745, 0.6067,
0.3565

 16.4723, 0.5806,
0.3648

 18.5782, 0.5471,
0.3700

 21.2425, 0.5090,
0.3709

 24.5039, 0.4703,
0.3682

 28.3974, 0.4339,
0.3631

■ 32.9551, 0.4014,
0.3566

■ 38.2067, 0.3733,
0.3495

■ 44.1802, 0.3495,
0.3424

■ 50.9021, 0.3294,
0.3355

Harmonies

Analogous

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



14.8735, 0.5707, 0.2769



14.8735, 0.6067, 0.3565



14.8735, 0.5426, 0.4573

Triad

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



14.8735, 0.6067, 0.3565



14.8735, 0.1742, 0.5245



14.8735, 0.1521, 0.1266

Complementary

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



14.8735, 0.6067, 0.3565



25.6944, 0.2006, 0.2423

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.



14.8735, 0.1001, 0.1338



14.8735, 0.6067, 0.3565



14.8735, 0.1034, 0.3095

Square

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



14.8735, 0.6067, 0.3565



14.8735, 0.2910, 0.6393



14.8735, 0.0843, 0.1829



14.8735, 0.2576, 0.1502

Rectangle

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



14.8735, 0.6067, 0.3565



14.8735, 0.4653, 0.5347



14.8735, 0.0843, 0.1829



14.8735, 0.1299, 0.1254

Sweetspot

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



14.8745, 0.6067, 0.3565



65.0230, 0.3744, 0.3498



14.6411, 0.3968, 0.1959



13.0676, 0.3859, 0.3529



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.



14.8745, 0.6067, 0.3565



25.1590, 0.6089, 0.3547



34.4642, 0.4720, 0.4634



11.0760, 0.3283, 0.3350



9.4817, 0.6042, 0.3585



0.5703, 0.5619, 0.3920

Inverse Universe

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



25.6944, 0.2006, 0.2423



43.6057, 0.2003, 0.2410



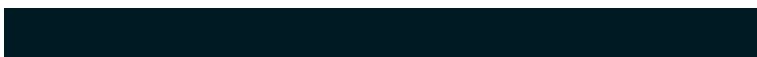
6.5186, 0.1578, 0.0880



11.5847, 0.2984, 0.3229



16.3131, 0.2010, 0.2436



0.8847, 0.2065, 0.2635

Previews

White Background



This preview shows how the Yxy color 14.8735, 0.6067, 0.3565 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 14.8735, 0.6067, 0.3565 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 14.8735, 0.6067, 0.3565

Background



This preview shows how black text looks on a background with the Yxy color 14.8735, 0.6067, 0.3565.



This preview shows how white text looks on a background with the Yxy color 14.8735, 0.6067, 0.3565.

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

14.8735, 0.6067, 0.3565

Protanopia

15.1367, 0.4292, 0.4760

Deuteranopia

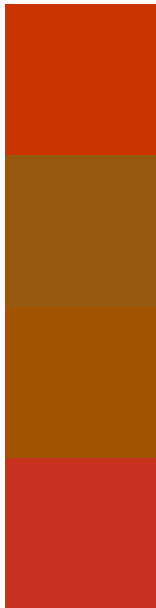
15.0189, 0.4698, 0.4652



Tritanopia

14.9835, 0.5715, 0.3289

Trichromacy



Original Color

14.8735, 0.6067, 0.3565

Protanomaly

13.5932, 0.5083, 0.4229

Deuteranomaly

13.8142, 0.5319, 0.4159

Tritanomaly

14.9420, 0.5909, 0.3428

Monochromacy



Original Color

14.8735, 0.6067, 0.3565

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.4385, 0.4474, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8735, 0.6067, 0.3565 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(201, 52, 0)` looks like.

```
.text, #text, p{  
    color:rgb(201, 52, 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(201, 52, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 52, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8735, 0.6067, 0.3565 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(201, 52, 0) }
```

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

```
.border{ border-color:rgb(201, 52, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 52, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 52, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 52, 0);  
box-shadow:4px 4px 4px 4px rgb(201, 52, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8735, 0.6067, 0.3565 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 52, 0) }
```

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

```
.background{ background-color: rgb(201, 52,  
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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