

# Converting Colors

$Y_{xy}(14.5093, 0.5968, 0.3644)$

Have a look what the booklet for  
Yxy(14.5093, 0.5968, 0.3644)  
contains.

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**Color**

**Yxy(14.4954, 0.5970, 0.3642)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C23A00
RGB	194, 58, 0
RGB Percent	76%, 23%, 0%
CMY	0.2392, 0.7725, 1.0000
CMYK	0.00, 0.70, 1.00, 0.24
HSL	18°, 100%, 38%
HSV	18°, 100%, 76%
XYZ	23.7610, 14.4954, 1.5443
YIQ	92.0520, 99.6740, 10.7940

# Conversions

## Conversions Part 2

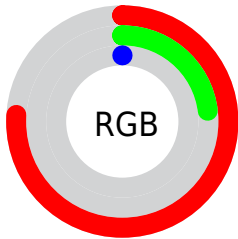
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">194, 83, 0</a>
<a href="#">Decimal</a>	<a href="#">12728832</a>
<a href="#">CIELab</a>	<a href="#">44.94, 52.33, 56.65</a>
<a href="#">CIELCh</a>	<a href="#">45, 77.117, 47.272</a>
<a href="#">Yxy</a>	<a href="#">14.4954, 0.5970, 0.3642</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4290918912 (0xFFC23A00)</a>
<a href="#">YUV</a>	<a href="#">92.0520, -45.3816, 89.4084</a>
<a href="#">Hunter-Lab</a>	<a href="#">38.0728, 44.7732, 24.2461</a>

# Details

The Yxy color **14.4954, 0.5970, 0.3642** 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 **21.5004, 0.1967, 0.2281**, and the grayscale version is **10.8057, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3558, 0.5385, 0.3753**, and **4.8253, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.4964, 0.5970, 0.3642**, and if you desaturate by 10%, it is **16.1020, 0.5708, 0.3727**.

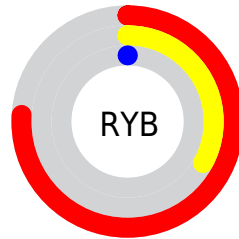
# Distribution



Red (76%)

Green (23%)

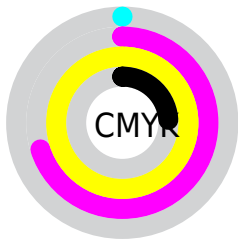
Blue (0%)



Red (76%)

Yellow (33%)

Blue (0%)

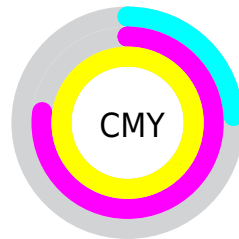


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (24%)



Cyan (24%)

Magenta (77%)

Yellow (100%)

# Brightness & Saturation Gradients


These gradients show how the Yxy color 14.4954, 0.5970, 0.3642 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 14.4954, 0.5970, 0.3642 by changing the saturation by 10% instead.





 14.4954, 0.5970,  
0.3642


 14.4954, 0.5970,  
0.3642


 220.2913, 0.4407,  
0.3676


 8.4660, 0.6368,  
0.3528


 33.9655, 0.5406,  
0.3740


 4.3946, 0.6744,  
0.3256

 48.1750, 0.5188,  
0.3748

 1.8966, 0.7196,  
0.2804

 65.8800, 0.5004,  
0.3745

 0.5464, 0.8013,  
0.1987

 87.4649, 0.4847,  
0.3735

 0.0000, 1.0000,  
0.0000

 113.3141, 0.4713,  
0.3722

 0.0000, 0.0000,  
0.0000

 143.8120, 0.4597,


0.3707

 179.3429, 0.4496,  
0.3692


 14.4954, 0.5970,  
0.3642

 14.4954, 0.5970,  
0.3642


 14.4964, 0.5970,  
0.3642

 16.1020, 0.5708,  
0.3727

 18.1442, 0.5384,  
0.3775

 20.6639, 0.5021,  
0.3778

 23.6917, 0.4653,  
0.3743

 27.2552, 0.4306,  
0.3683

■ 31.3801, 0.3994,  
0.3607

■ 36.0900, 0.3722,  
0.3526

■ 41.4073, 0.3490,  
0.3443

■ 47.3531, 0.3293,  
0.3364

# Harmonies

## Analogous

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



14.4954, 0.5674, 0.2844



14.4954, 0.5970, 0.3642



14.4954, 0.5316, 0.4634

# Triad

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



14.4954, 0.5970, 0.3642



14.4954, 0.1738, 0.5033



14.4954, 0.1611, 0.1319

# Complementary

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



14.4954, 0.5970, 0.3642



21.5004, 0.1967, 0.2281

# 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.



14.4954, 0.1068, 0.1374



14.4954, 0.5970, 0.3642



14.4954, 0.1066, 0.3011

# Square

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



14.4954, 0.5970, 0.3642



14.4954, 0.2873, 0.6265



14.4954, 0.0894, 0.1832



14.4954, 0.2682, 0.1570



# Rectangle

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



14.4954, 0.5970, 0.3642



14.4954, 0.4578, 0.5396



14.4954, 0.0894, 0.1832



14.4954, 0.1381, 0.1302

# Sweetspot

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



14.4964, 0.5970, 0.3642



64.9559, 0.3734, 0.3529



13.3343, 0.4087, 0.2025



13.3967, 0.3847, 0.3565



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.



14.4964, 0.5970, 0.3642



25.8781, 0.5996, 0.3621



33.9148, 0.4638, 0.4699



10.5579, 0.3282, 0.3359



9.6577, 0.5946, 0.3661



0.5410, 0.5495, 0.4019



# Inverse Universe

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



21.5004, 0.1967, 0.2281



38.4862, 0.1962, 0.2264



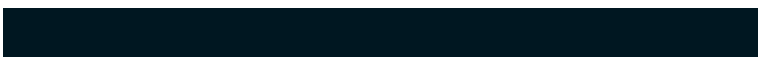
5.5533, 0.1561, 0.0821



10.9034, 0.2984, 0.3220



14.2848, 0.1971, 0.2296



0.7329, 0.2040, 0.2544



# Previews

## White Background



This preview shows how the Yxy color 14.4954, 0.5970, 0.3642 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 14.4954, 0.5970, 0.3642**

## **Background**



This preview shows how black text looks on a background with the Yxy color 14.4954, 0.5970, 0.3642.



This preview shows how white text looks on a background with the Yxy color 14.4954, 0.5970, 0.3642.

# 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

14.4954, 0.5970, 0.3642

### Protanopia

14.8442, 0.4304, 0.4774

### Deuteranopia

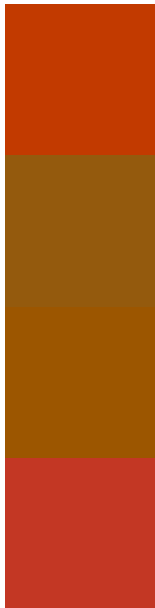
14.6536, 0.4688, 0.4660



## Tritanopia

14.5260, 0.5537, 0.3278

# Trichromacy



## Original Color

14.4954, 0.5970, 0.3642

## Protanomaly

13.6373, 0.5021, 0.4295

## Deuteranomaly

13.7235, 0.5240, 0.4221

## Tritanomaly

14.4619, 0.5782, 0.3457

# Monochromacy



## Original Color

14.4954, 0.5970, 0.3642

## Achromatopsia

10.7023, 0.3127, 0.3290

## Achromatomaly

10.7202, 0.4388, 0.3701

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 14.4954, 0.5970, 0.3642 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(194, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(194, 58, 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(194, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 58, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 14.4954, 0.5970, 0.3642 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(194, 58, 0) }
```

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

```
.border{ border-color:rgb(194, 58, 0) }
```

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

Here you see how a box with a 4 pixel rgb(194, 58, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(194, 58, 0)  
}
```



# Background

The CSS property to change the background color of an element to Yxy 14.4954, 0.5970, 0.3642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 58, 0) }
```

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

```
.background{ background-color: rgb(194, 58,  
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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