

Converting Colors

$Y_{xy}(15.4012, 0.5941, 0.3662)$

Have a look what the booklet for
Yxy(15.4012, 0.5941, 0.3662)
contains.

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Color

Yxy(15.4510, 0.5937, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	C63E00
RGB	198, 62, 0
RGB Percent	78%, 24%, 0%
CMY	0.2236, 0.7568, 1.0000
CMYK	0.00, 0.69, 1.00, 0.22
HSL	19°, 100%, 39%
HSV	19°, 100%, 78%
XYZ	25.0089, 15.4510, 1.6639
YIQ	95.5960, 100.9580, 9.5500

Conversions

Conversions Part 2

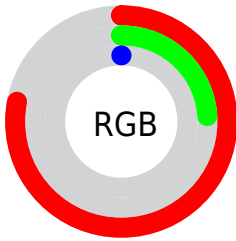
Format	Color
R _Y B	198, 90, 0
Decimal	12992000
CIE Lab	46.25, 52.10, 57.69
CIE LCh	46, 77.731, 47.917
Yxy	15.4510, 0.5937, 0.3668
Android (android.graphics.Color)	4291182080 (0xFFC63E00)
YUV	95.5960, -47.1288, 89.8083
Hunter-Lab	39.3078, 44.7790, 25.0057

Details

The Yxy color **15.4510, 0.5937, 0.3668** 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 **21.6744, 0.1952, 0.2228**, and the grayscale version is **11.6947, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2780, 0.5338, 0.3785**, and **5.1509, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.4519, 0.5937, 0.3668**, and if you desaturate by 10%, it is **17.1706, 0.5678, 0.3754**.

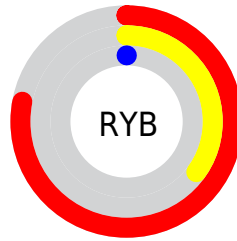
Distribution



Red (78%)

Green (24%)

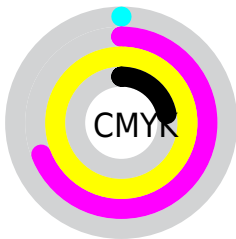
Blue (0%)



Red (78%)

Yellow (35%)

Blue (0%)

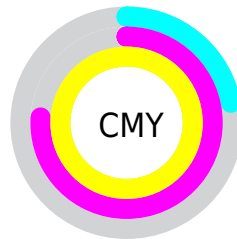


Cyan (0%)

Magenta (69%)

Yellow (100%)

Black (22%)



Cyan (22%)


Magenta (76%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 15.4510, 0.5937, 0.3668 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 15.4510, 0.5937, 0.3668 by changing the saturation by 10% instead.


 15.4510, 0.5937,
0.3668


 15.4510, 0.5937,
0.3668


 226.0800, 0.4407,
0.3687


 9.1365, 0.6312,
0.3557


 35.6424, 0.5389,
0.3758


 4.8303, 0.6691,
0.3309

 50.2882, 0.5176,
0.3764

 2.1481, 0.7118,
0.2882

 68.4798, 0.4995,
0.3759

 0.6915, 0.7809,
0.2191

 90.6017, 0.4841,
0.3748


 0.0000, 1.0000,
0.0000


 117.0383, 0.4709,
0.3734


 0.0000, 0.0000,
0.0000


 148.1740, 0.4594,


0.3718

 184.3931, 0.4494,
0.3702

 15.4510, 0.5937,
0.3668


 15.4510, 0.5937,
0.3668


 15.4519, 0.5937,
0.3668

 17.1706, 0.5678,
0.3754

 19.3354, 0.5359,
0.3802

 21.9873, 0.5002,
0.3803

 25.1568, 0.4640,
0.3765

 28.8716, 0.4297,
0.3701

■ 33.1571, 0.3989,
0.3622

■ 38.0373, 0.3720,
0.3537

■ 43.5344, 0.3489,
0.3451

■ 49.6695, 0.3293,
0.3368

Harmonies

Analogous

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



15.4510, 0.5663, 0.2870



15.4510, 0.5937, 0.3668



15.4510, 0.5273, 0.4649

Triad

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



15.4510, 0.5937, 0.3668



15.4510, 0.1737, 0.4963



15.4510, 0.1643, 0.1338

Complementary

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



15.4510, 0.5937, 0.3668



21.6744, 0.1952, 0.2228

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.



15.4510, 0.1092, 0.1386



15.4510, 0.5937, 0.3668



15.4510, 0.1078, 0.2983

Square

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



15.4510, 0.5937, 0.3668



15.4510, 0.2859, 0.6219



15.4510, 0.0912, 0.1833



15.4510, 0.2718, 0.1594

Rectangle

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



15.4510, 0.5937, 0.3668



15.4510, 0.4538, 0.5395



15.4510, 0.0912, 0.1833



15.4510, 0.1409, 0.1319

Sweetspot

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



15.4519, 0.5937, 0.3668



66.9544, 0.3731, 0.3541



13.8562, 0.4151, 0.2061



13.5156, 0.3842, 0.3578



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.



15.4519, 0.5937, 0.3668



26.9806, 0.5962, 0.3648



36.5909, 0.4599, 0.4730



11.1701, 0.3282, 0.3363



10.1864, 0.5913, 0.3687



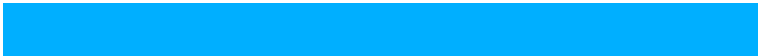
0.6133, 0.5496, 0.4018

Inverse Universe

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



21.6744, 0.1952, 0.2228



37.9246, 0.1948, 0.2211



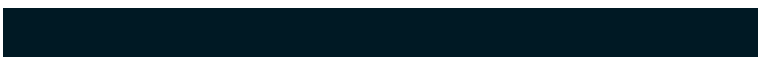
5.5672, 0.1553, 0.0791



11.4853, 0.2984, 0.3216



14.2561, 0.1957, 0.2244



0.8003, 0.2024, 0.2488

Previews

White Background



This preview shows how the Yxy color 15.4510, 0.5937, 0.3668 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 15.4510, 0.5937, 0.3668 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 15.4510, 0.5937, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 15.4510, 0.5937, 0.3668.



This preview shows how white text looks on a background with the Yxy color 15.4510, 0.5937, 0.3668.

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

15.4510, 0.5937, 0.3668

Protanopia

15.7081, 0.4304, 0.4784

Deuteranopia

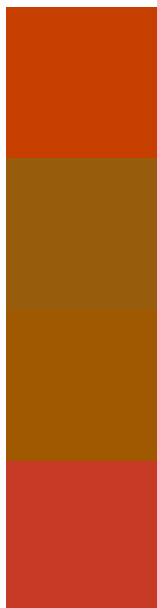
15.5921, 0.4690, 0.4658



Tritanopia

15.4945, 0.5474, 0.3277

Trichromacy



Original Color

15.4510, 0.5937, 0.3668

Protanomaly

14.4371, 0.5004, 0.4313

Deuteranomaly

14.6183, 0.5229, 0.4230

Tritanomaly

15.4100, 0.5743, 0.3475

Monochromacy



Original Color

15.4510, 0.5937, 0.3668

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.6641, 0.4373, 0.3727

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.4510, 0.5937, 0.3668 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, 62, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 62, 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(198, 62, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 62, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.4510, 0.5937, 0.3668 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, 62, 0) }
```

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

```
.border{ border-color:rgb(198, 62, 0) }
```

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

Here you see how a box with a 4 pixel rgb(198, 62, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 62, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 62, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 62, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.4510, 0.5937, 0.3668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 62, 0) }
```

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

```
.background{ background-color: rgb(198, 62,  
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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