

Converting Colors

$Y_{xy}(15.7125, 0.5944, 0.3657)$

Have a look what the booklet for
Yxy(15.7125, 0.5944, 0.3657)
contains.

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Color

Yxy(15.7268, 0.5942, 0.3658)

Conversions

Conversions Part 1

Format	Color
Hex	C83E01
RGB	200, 62, 1
RGB Percent	78%, 24%, 0%
CMY	0.2157, 0.7568, 0.9958
CMYK	0.00, 0.69, 0.99, 0.22
HSL	18°, 99%, 39%
HSV	18°, 99%, 78%
XYZ	25.5464, 15.7268, 1.7197
YIQ	96.3080, 101.8290, 10.2850

Conversions

Conversions Part 2

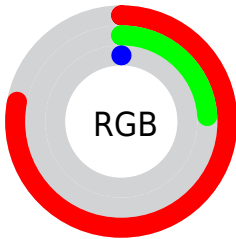
Format	Color
RYB	200, 89, 1
Decimal	13123073
CIELab	46.61, 52.79, 57.78
CIELCh	47, 78.260, 47.583
Yxy	15.7268, 0.5942, 0.3658
Android (android.graphics.Color)	4291313153 (0xFFC83E01)
YUV	96.3080, -46.9868, 90.9379
Hunter-Lab	39.6570, 45.5868, 25.1888

Details

The Yxy color **15.7268, 0.5942, 0.3658** 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 **22.6542, 0.1962, 0.2259**, and the grayscale version is **11.8778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.2881, 0.5331, 0.3779**, and **5.3184, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.6454, 0.5955, 0.3654**, and if you desaturate by 10%, it is **17.4862, 0.5680, 0.3744**.

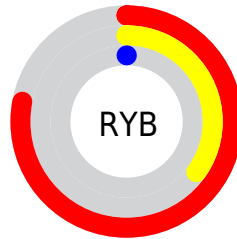
Distribution



Red (78%)

Green (24%)

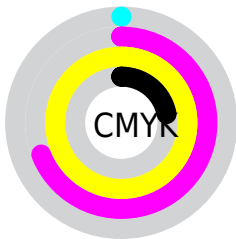
Blue (0%)



Red (78%)

Yellow (35%)

Blue (0%)

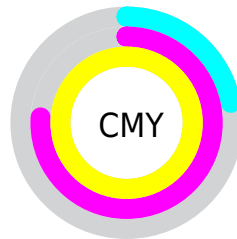


Cyan (0%)

Magenta (69%)

Yellow (99%)

Black (22%)



Cyan (22%)


Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7268, 0.5942, 0.3658 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 15.7268, 0.5942, 0.3658 by changing the saturation by 10% instead.


 15.7268, 0.5942,
0.3658


 15.7268, 0.5942,
0.3658


 227.7242, 0.4412,
0.3682


 9.3310, 0.6313,
0.3545


 36.1233, 0.5394,
0.3749


 4.9577, 0.6698,
0.3302

 50.8928, 0.5181,
0.3756


 2.2225, 0.7121,
0.2879

 69.2223, 0.5001,
0.3752

 0.7322, 0.7789,
0.2211

 91.4962, 0.4847,
0.3741


 0.0000, 1.0000,
0.0000


 118.0990, 0.4714,
0.3728

 0.0000, 0.0000,
0.0000


 149.4150, 0.4600,


0.3713


 185.8286, 0.4500,
0.3698


 15.7268, 0.5942,
0.3658


 15.7268, 0.5942,
0.3658


 15.6454, 0.5955,
0.3654

 17.4862, 0.5680,
0.3744

 19.7108, 0.5356,
0.3790

 22.4426, 0.4995,
0.3790

 25.7135, 0.4630,
0.3752

 29.5526, 0.4286,
0.3689

■ 33.9865, 0.3977,
0.3611

■ 39.0401, 0.3709,
0.3527

■ 44.7368, 0.3478,
0.3443

■ 51.0987, 0.3284,
0.3362

Harmonies

Analogous

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



15.7268, 0.5655, 0.2861



15.7268, 0.5942, 0.3658



15.7268, 0.5283, 0.4636

Triad

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



15.7268, 0.5942, 0.3658



15.7268, 0.1746, 0.4988



15.7268, 0.1633, 0.1335

Complementary

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



15.7268, 0.5942, 0.3658



22.6542, 0.1962, 0.2259

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.



15.7268, 0.1087, 0.1387



15.7268, 0.5942, 0.3658



15.7268, 0.1081, 0.3001

Square

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



15.7268, 0.5942, 0.3658



15.7268, 0.2872, 0.6224



15.7268, 0.0910, 0.1840



15.7268, 0.2702, 0.1588

Rectangle

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



15.7268, 0.5942, 0.3658



15.7268, 0.4551, 0.5382



15.7268, 0.0910, 0.1840



15.7268, 0.1401, 0.1317

Sweetspot

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



15.7277, 0.5942, 0.3658



66.7071, 0.3733, 0.3535



14.2042, 0.4145, 0.2060



13.4581, 0.3845, 0.3571



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.



15.7277, 0.5942, 0.3658



26.7274, 0.5979, 0.3634



37.4941, 0.4596, 0.4730



11.1582, 0.3282, 0.3361



10.0892, 0.5930, 0.3674



0.6076, 0.5512, 0.4006

Inverse Universe

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



22.6542, 0.1962, 0.2259



38.6125, 0.1955, 0.2237



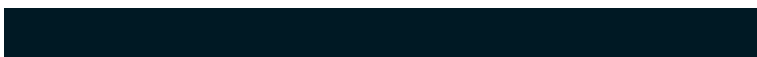
5.7523, 0.1556, 0.0797



11.4979, 0.2984, 0.3218



14.5056, 0.1964, 0.2268



0.8107, 0.2030, 0.2507

Previews

White Background



This preview shows how the Yxy color 15.7268, 0.5942, 0.3658 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 15.7268, 0.5942, 0.3658 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 15.7268, 0.5942, 0.3658

Background



This preview shows how black text looks on a background with the Yxy color 15.7268, 0.5942, 0.3658.



This preview shows how white text looks on a background with the Yxy color 15.7268, 0.5942, 0.3658.

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

15.7268, 0.5942, 0.3658

Protanopia

16.0062, 0.4298, 0.4779

Deuteranopia

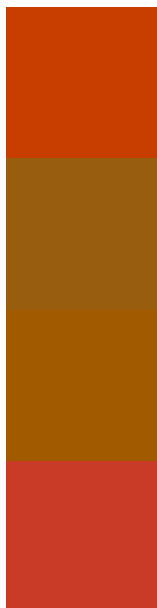
15.8835, 0.4686, 0.4661



Tritanopia

15.7699, 0.5490, 0.3278

Trichromacy



Original Color

15.7268, 0.5942, 0.3658

Protanomaly

14.7125, 0.4994, 0.4314

Deuteranomaly

14.9937, 0.5232, 0.4228

Tritanomaly

15.6919, 0.5745, 0.3465

Monochromacy



Original Color

15.7268, 0.5942, 0.3658

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.7459, 0.4389, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7268, 0.5942, 0.3658 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(200, 62, 1)` looks like.

```
.text, #text, p{  
  color:rgb(200, 62, 1)  
}
```

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(200, 62, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 62, 1) }
```

Border

The CSS property to change the border of an element to Yxy 15.7268, 0.5942, 0.3658 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(200, 62, 1) }
```

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

```
.border{ border-color:rgb(200, 62, 1) }
```

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

Here you see how a box with a 4 pixel rgb(200, 62, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 62, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 62, 1);  
box-shadow:4px 4px 4px 4px rgb(200, 62, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.7268, 0.5942, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 62, 1) }
```

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

```
.background{ background-color: rgb(200, 62,  
1) }
```

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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