

Converting Colors

$Yxy(15.6033, 0.5877, 0.3392)$

Have a look what the booklet for
Yxy(15.6033, 0.5877, 0.3392)
contains.

Yxy(15.5366, 0.5880, 0.3393)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.5366, 0.5880, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	CE3225
RGB	206, 50, 37
RGB Percent	81%, 20%, 15%
CMY	0.1922, 0.8038, 0.8550
CMYK	0.00, 0.76, 0.82, 0.19
HSL	5°, 70%, 48%
HSV	5°, 82%, 81%
XYZ	26.9246, 15.5366, 3.3289
YIQ	95.1620, 97.1490, 29.0290

Conversions

Conversions Part 2

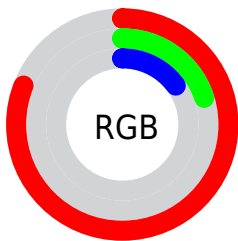
Format	Color
RYB	206, 51, 37
Decimal	13513253
CIELab	46.36, 59.58, 44.98
CIElCh	46, 74.654, 37.050
Yxy	15.5366, 0.5880, 0.3393
Android (android.graphics.Color)	4291703333 (0xFFCE3225)
YUV	95.1620, -28.6739, 97.2049
Hunter-Lab	39.4165, 52.9509, 22.5842

Details

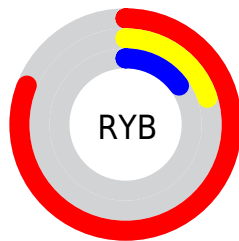
The Yxy color **15.5366, 0.5880, 0.3393** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **42.9574, 0.2228, 0.3091**, and the grayscale version is **11.5414, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8374, 0.5176, 0.3519**, and **5.8396, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **14.1397, 0.6193, 0.3364**, and if you desaturate by 10%, it is **17.6828, 0.5461, 0.3408**.

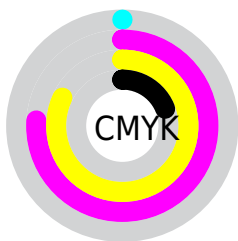
Distribution



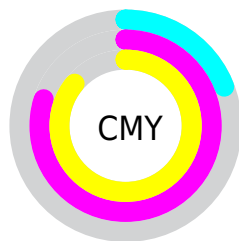
- Red (81%)
- Green (20%)
- Blue (15%)



- Red (81%)
- Yellow (20%)
- Blue (15%)



- Cyan (0%)
- Magenta (76%)
- Yellow (82%)
- Black (19%)



- Cyan (19%)
- Magenta (80%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.5366, 0.5880, 0.3393 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 15.5366, 0.5880, 0.3393 by changing the saturation by 10% instead.


 15.5366, 0.5880,
0.3393


 15.5366, 0.5880,
0.3393


226.5915, 0.4323,
0.3505


 9.1968, 0.6279,
0.3271


 35.7918, 0.5291,
0.3495


 4.8698, 0.6878,
0.3101

 50.4761, 0.5074,
0.3513

 2.1711, 0.7342,
0.2658

 68.7106, 0.4893,
0.3521

 0.7042, 0.8038,
0.1962

 90.8799, 0.4742,
0.3522


 0.0000, 1.0000,
0.0000


 117.3682, 0.4613,
0.3520

 0.0000, 0.0000,
0.0000


 148.5600, 0.4502,


0.3516


 184.8396, 0.4406,
0.3511


 15.5366, 0.5880,
0.3393

 15.5366, 0.5880,
0.3393

 14.1397, 0.6193,
0.3364


 17.6828, 0.5461,
0.3408


 13.4873, 0.6349,
0.3341

 20.6606, 0.5003,
0.3408


 24.5445, 0.4561,
0.3397


 29.4000, 0.4169,
0.3379

 35.2866, 0.3836,
0.3358

 42.2588, 0.3563,
0.3335

 50.3676, 0.3340,
0.3314

 59.6605, 0.3160,
0.3294

 70.1823, 0.3014,
0.3276

Harmonies

Analogous

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



15.5366, 0.5183, 0.2627



15.5366, 0.5880, 0.3393



15.5366, 0.5520, 0.4266

Triad

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



15.5366, 0.5880, 0.3393



15.5366, 0.2160, 0.5512



15.5366, 0.1440, 0.1370

Complementary

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



15.5366, 0.5880, 0.3393



42.9574, 0.2228, 0.3091

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.



15.5366, 0.1041, 0.1545



15.5366, 0.5880, 0.3393



15.5366, 0.1312, 0.3633

Square

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



15.5366, 0.5880, 0.3393



15.5366, 0.3335, 0.6078



15.5366, 0.0984, 0.2195



15.5366, 0.2291, 0.1515

Rectangle

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



15.5366, 0.5880, 0.3393



15.5366, 0.4920, 0.4960



15.5366, 0.0984, 0.2195



15.5366, 0.1265, 0.1389

Sweetspot

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



15.5375, 0.5880, 0.3393



64.5910, 0.3646, 0.3343



18.3691, 0.3345, 0.1710



12.9657, 0.3743, 0.3351



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.



15.5375, 0.5880, 0.3393



21.9411, 0.6329, 0.3338



29.9600, 0.4889, 0.4290



11.3505, 0.3288, 0.3309



8.3628, 0.6337, 0.3351



0.4810, 0.6135, 0.3510

Inverse Universe

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



42.9574, 0.2228, 0.3091



67.0700, 0.2182, 0.3047



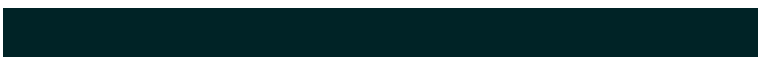
16.0476, 0.1860, 0.1705



12.5729, 0.2984, 0.3271



25.5093, 0.2180, 0.3049



1.3611, 0.2194, 0.3099

Previews

White Background



This preview shows how the Yxy color 15.5366, 0.5880, 0.3393 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 15.5366, 0.5880, 0.3393 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 15.5366, 0.5880, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 15.5366, 0.5880, 0.3393.



This preview shows how white text looks on a background with the Yxy color 15.5366, 0.5880, 0.3393.

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

15.5366, 0.5880, 0.3393

Protanopia

15.8369, 0.4027, 0.4400

Deuteranopia

15.7327, 0.4620, 0.4542



Tritanopia

15.4660, 0.5747, 0.3282

Trichromacy



Original Color

15.5366, 0.5880, 0.3393

Protanomaly

14.1223, 0.4804, 0.3939

Deuteranomaly

14.4686, 0.5201, 0.4012

Tritanomaly

15.5079, 0.5801, 0.3329

Monochromacy



Original Color

15.5366, 0.5880, 0.3393

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.2373, 0.4228, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.5366, 0.5880, 0.3393 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(206, 50, 37)` looks like.

```
.text, #text, p{  
    color:rgb(206, 50, 37)  
}
```

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(206, 50, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 50, 37) }
```

Border

The CSS property to change the border of an element to Yxy 15.5366, 0.5880, 0.3393 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(206, 50, 37) }
```

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

```
.border{ border-color:rgb(206, 50, 37) }
```

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

Here you see how a box with a 4 pixel rgb(206, 50, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 50, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 50, 37);  
box-shadow:4px 4px 4px 4px rgb(206, 50,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 15.5366, 0.5880, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 50, 37) }
```

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

```
.background{ background-color: rgb(206, 50,  
37) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor