

Converting Colors

$Y_{xy}(15.3888, 0.5944, 0.3048)$

Have a look what the booklet for
Yxy(15.3888, 0.5944, 0.3048)
contains.

Yxy(15.3456, 0.5938, 0.3045)	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(15.3456, 0.5938, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	DB0038
RGB	219, 0, 56
RGB Percent	86%, 0%, 22%
CMY	0.1412, 0.9996, 0.7804
CMYK	0.00, 1.00, 0.74, 0.14
HSL	345°, 100%, 43%
HSV	345°, 100%, 86%
XYZ	29.9252, 15.3456, 5.1253
YIQ	71.8650, 112.5480, 63.8440

Conversions

Conversions Part 2

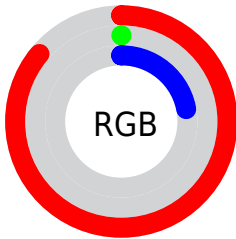
Format	Color
R _Y B	219, 0, 56
Decimal	14352440
CIE Lab	46.10, 72.46, 34.86
CIE LCh	46, 80.410, 25.694
Yxy	15.3456, 0.5938, 0.3045
Android (android.graphics.Color)	4292542520 (0xFFDB0038)
YUV	71.8650, -7.8214, 129.0374
Hunter-Lab	39.1735, 67.8052, 19.6642

Details

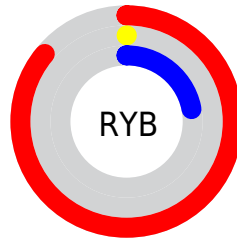
The Yxy color **15.3456, 0.5938, 0.3045** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.3073, 0.2485, 0.4146**, and the grayscale version is **6.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3840, 0.5101, 0.3171**, and **7.0031, 0.6271, 0.3228** is the 20% darker color. If you saturate the color by 10%, you get **15.3433, 0.5939, 0.3046**, and if you desaturate by 10%, it is **16.1048, 0.5633, 0.2957**.

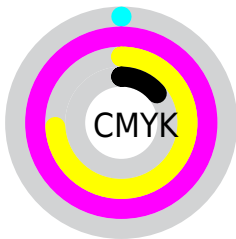
Distribution



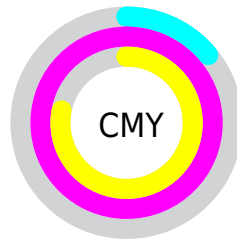
- Red (86%)
- Green (0%)
- Blue (22%)



- Red (86%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.3456, 0.5938, 0.3045 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 15.3456, 0.5938, 0.3045 by changing the saturation by 10% instead.


 15.3456, 0.5938,
0.3045


 15.3456, 0.5938,
0.3045


225.4486, 0.4323,
0.3321


 9.0623, 0.6377,
0.2900


 35.4583, 0.5313,
0.3197


 4.7818, 0.6940,
0.2665

 50.0566, 0.5087,
0.3237


 2.1198, 0.7707,
0.2293

 68.1952, 0.4902,
0.3265

 0.6757, 0.8415,
0.1585

 90.2587, 0.4747,
0.3284

 0.0000, 1.0000,
0.0000

 116.6313, 0.4616,
0.3298

 0.0000, 0.0000,
0.0000

 147.6976, 0.4504,

0.3308

183.8419, 0.4407,
0.3315

■ 15.3456, 0.5938,
0.3045

■ 15.3456, 0.5938,
0.3045

■ 15.3433, 0.5939,
0.3046

■ 16.1048, 0.5633,
0.2957

■ 17.5682, 0.5269,
0.2902

■ 19.9513, 0.4879,
0.2889

■ 23.3767, 0.4502,
0.2912

■ 27.9480, 0.4161,
0.2959

■ 33.7561, 0.3868,
0.3022

■ 40.8828, 0.3624,
0.3090

■ 49.4029, 0.3423,
0.3160

■ 59.3855, 0.3259,
0.3227

Harmonies

Analogous

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



15.3456, 0.4774, 0.2289



15.3456, 0.5938, 0.3045



15.3456, 0.5892, 0.3877

Triad

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



15.3456, 0.5938, 0.3045



15.3456, 0.2505, 0.6200



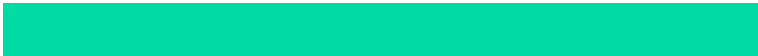
15.3456, 0.1151, 0.1297

Complementary

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



15.3456, 0.5938, 0.3045



53.3073, 0.2485, 0.4146

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.



15.3456, 0.0882, 0.1619



15.3456, 0.5938, 0.3045



15.3456, 0.1457, 0.4461

Square

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



15.3456, 0.5938, 0.3045



15.3456, 0.3773, 0.6034



15.3456, 0.0944, 0.2561



15.3456, 0.1829, 0.1332

Rectangle

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



15.3456, 0.5938, 0.3045



15.3456, 0.5391, 0.4576



15.3456, 0.0944, 0.2561



15.3456, 0.1023, 0.1357

Sweetspot

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



15.3466, 0.5938, 0.3045



57.3788, 0.3631, 0.3088



12.6545, 0.2536, 0.1171



11.3209, 0.3730, 0.3059



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.



15.3466, 0.5938, 0.3045



21.6428, 0.5959, 0.3056



17.4428, 0.6128, 0.3516



13.1058, 0.3252, 0.3231



9.1138, 0.5902, 0.3025



0.6044, 0.5434, 0.2767

Inverse Universe

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



15.3466, 0.5938, 0.3045



21.6428, 0.5959, 0.3056



33.0903, 0.2031, 0.2510



13.1058, 0.3252, 0.3231



9.1138, 0.5902, 0.3025



0.6044, 0.5434, 0.2767

Previews

White Background



This preview shows how the Yxy color 15.3456, 0.5938, 0.3045 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 15.3456, 0.5938, 0.3045 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 15.3456, 0.5938, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 15.3456, 0.5938, 0.3045.



This preview shows how white text looks on a background with the Yxy color 15.3456, 0.5938, 0.3045.

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

15.3456, 0.5938, 0.3045

Protanopia

15.9309, 0.3588, 0.3839

Deuteranopia

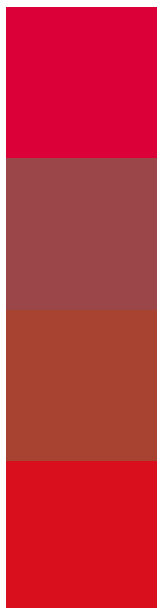
15.8932, 0.4398, 0.4344



Tritanopia

15.5527, 0.6266, 0.3325

Trichromacy



Original Color

15.3456, 0.5938, 0.3045

Protanomaly

11.9695, 0.4613, 0.3246

Deuteranomaly

12.4432, 0.5257, 0.3541

Tritanomaly

15.3408, 0.6198, 0.3243

Monochromacy



Original Color

15.3456, 0.5938, 0.3045

Achromatopsia

6.4803, 0.3127, 0.3290

Achromatomaly

6.7073, 0.4525, 0.2913

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.3456, 0.5938, 0.3045 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(219, 0, 56)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 56)  
}
```

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(219, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 56) }
```

Border

The CSS property to change the border of an element to Yxy 15.3456, 0.5938, 0.3045 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(219, 0, 56) }
```

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

```
.border{ border-color:rgb(219, 0, 56) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.3456, 0.5938, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 56) }
```

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

```
.background{ background-color: rgb(219, 0,  
56) }
```

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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