

Converting Colors

$Y_{xy}(19.3298, 0.5881, 0.3013)$

Have a look what the booklet for
Yxy(19.3298, 0.5881, 0.3013)
contains.

Yxy(19.2825, 0.5883, 0.3015)	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(19.2825, 0.5883, 0.3015)

Conversions

Conversions Part 1

Format	Color
Hex	F20043
RGB	242, 0, 67
RGB Percent	95%, 0%, 26%
CMY	0.0511, 0.9990, 0.7373
CMYK	0.00, 1.00, 0.72, 0.05
HSL	343°, 100%, 47%
HSV	343°, 100%, 95%
XYZ	37.6249, 19.2825, 7.0479
YIQ	79.9960, 122.7250, 72.1410

Conversions

Conversions Part 2

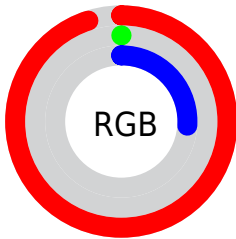
Format	Color
RYB	242, 0, 67
Decimal	15859779
CIELab	51.02, 78.26, 35.24
CIELCh	51, 85.833, 24.242
Yxy	19.2825, 0.5883, 0.3015
Android (android.graphics.Color)	4294049859 (0xFFFF20043)
YUV	79.9960, -6.4070, 142.0775
Hunter-Lab	43.9118, 76.0979, 21.2222

Details

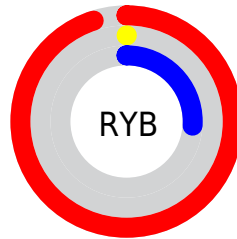
The Yxy color **19.2825, 0.5883, 0.3015** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark saturated red. A complement of this color would be **66.5961, 0.2508, 0.4227**, and the grayscale version is **8.0455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6822, 0.4907, 0.3109**, and **9.4173, 0.6206, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **19.2758, 0.5886, 0.3016**, and if you desaturate by 10%, it is **20.1933, 0.5580, 0.2922**.

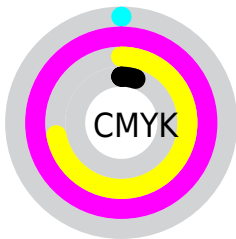
Distribution



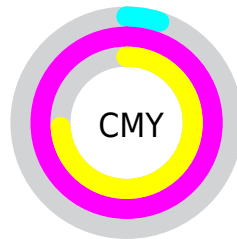
- Red (95%)
- Green (0%)
- Blue (26%)



- Red (95%)
- Yellow (0%)
- Blue (26%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2825, 0.5883, 0.3015 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 19.2825, 0.5883, 0.3015 by changing the saturation by 10% instead.


 19.2825, 0.5883,
0.3015

 19.2825, 0.5883,
0.3015


248.0039, 0.4347,
0.3293


 11.8746, 0.6285,
0.2885


 42.2109, 0.5301,
0.3159

 6.6583, 0.6790,
0.2682


 58.5002, 0.5088,
0.3199


 3.2494, 0.7550,
0.2399

 78.5187, 0.4910,
0.3228

 1.2633, 0.8163,
0.1837

 102.6509, 0.4761,
0.3250

 0.1125, 0.9593,
0.0407

 131.2811, 0.4634,
0.3265

 0.0000, 1.0000,
0.0000

 164.7938, 0.4525,

 0.0000, 0.0000,

0.3277

0.0000

203.5732, 0.4430,
0.3286

■ 19.2825, 0.5883,
0.3015

■ 19.2825, 0.5883,
0.3015

■ 19.2758, 0.5886,
0.3016

■ 20.1933, 0.5580,
0.2922

■ 22.0006, 0.5220,
0.2864

■ 24.9636, 0.4838,
0.2852

■ 29.2394, 0.4470,
0.2878

■ 34.9602, 0.4138,
0.2931

■ 42.2421, 0.3852,
0.2999

■ 51.1892, 0.3612,
0.3073

■ 61.8966, 0.3416,
0.3149

■ 74.4521, 0.3256,
0.3222

Harmonies

Analogous

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



19.2825, 0.4679, 0.2263



19.2825, 0.5883, 0.3015



19.2825, 0.5899, 0.3839

Triad

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



19.2825, 0.5883, 0.3015



19.2825, 0.2576, 0.6201



19.2825, 0.1143, 0.1317

Complementary

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



19.2825, 0.5883, 0.3015



66.5961, 0.2508, 0.4227

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.



19.2825, 0.0891, 0.1661



19.2825, 0.5883, 0.3015



19.2825, 0.1513, 0.4555

Square

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



19.2825, 0.5883, 0.3015



19.2825, 0.3833, 0.5958



19.2825, 0.0972, 0.2640



19.2825, 0.1795, 0.1337

Rectangle

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



19.2825, 0.5883, 0.3015



19.2825, 0.5406, 0.4506



19.2825, 0.0972, 0.2640



19.2825, 0.1021, 0.1383

Sweetspot

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



19.2837, 0.5883, 0.3015



57.4525, 0.3617, 0.3072



15.3551, 0.2492, 0.1147



11.3380, 0.3713, 0.3040



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.



19.2837, 0.5883, 0.3015



21.7073, 0.5893, 0.3020



21.3862, 0.6168, 0.3483



15.8306, 0.3250, 0.3225



10.3773, 0.5844, 0.2993



0.8795, 0.5472, 0.2788

Inverse Universe

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



19.2837, 0.5883, 0.3015



21.7073, 0.5893, 0.3020



43.0665, 0.2046, 0.2565



15.8306, 0.3250, 0.3225



10.3773, 0.5844, 0.2993



0.8795, 0.5472, 0.2788

Previews

White Background



This preview shows how the Yxy color 19.2825, 0.5883, 0.3015 looks on a white 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

Black Background



This preview shows how the Yxy color 19.2825, 0.5883, 0.3015 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.2825, 0.5883, 0.3015

Background



This preview shows how black text looks on a background with the Yxy color 19.2825, 0.5883, 0.3015.



This preview shows how white text looks on a background with the Yxy color 19.2825, 0.5883, 0.3015.

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

19.2825, 0.5883, 0.3015

Protanopia

19.8318, 0.3486, 0.3719

Deuteranopia

19.6643, 0.4355, 0.4287



Tritanopia

19.5351, 0.6255, 0.3321

Trichromacy



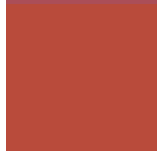
Original Color

19.2825, 0.5883, 0.3015



Protanomaly

14.8113, 0.4522, 0.3147



Deuteranomaly

15.6622, 0.5191, 0.3488



Tritanomaly

19.2352, 0.6179, 0.3229

Monochromacy



Original Color

19.2825, 0.5883, 0.3015



Achromatopsia

8.0220, 0.3127, 0.3290



Achromatomaly

8.3646, 0.4510, 0.2880

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2825, 0.5883, 0.3015 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(242, 0, 67)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 67)  
}
```

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(242, 0, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 67) }
```

Border

The CSS property to change the border of an element to Yxy 19.2825, 0.5883, 0.3015 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(242, 0, 67) }
```

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

```
.border{ border-color:rgb(242, 0, 67) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 67);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 67)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.2825, 0.5883, 0.3015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 67) }
```

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

```
.background{ background-color: rgb(242, 0,  
67) }
```

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