

Converting Colors

$Yxy(19.1084, 0.6148, 0.3161)$

Have a look what the booklet for
Yxy(19.1084, 0.6148, 0.3161)
contains.

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Color

Yxy(19.0667, 0.6144, 0.3159)

Conversions

Conversions Part 1

Format	Color
Hex	F2002D
RGB	242, 0, 45
RGB Percent	95%, 0%, 18%
CMY	0.0511, 0.9987, 0.8236
CMYK	0.00, 1.00, 0.81, 0.05
HSL	349°, 100%, 48%
HSV	349°, 100%, 95%
XYZ	37.0832, 19.0667, 4.2069
YIQ	77.4880, 129.7870, 65.2990

Conversions

Conversions Part 2

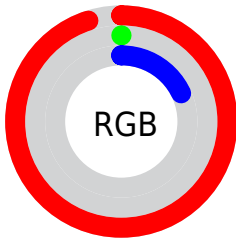
Format	Color
RYB	242, 0, 45
Decimal	15859757
CIELab	50.77, 77.58, 47.50
CIElCh	51, 90.962, 31.479
Yxy	19.0667, 0.6144, 0.3159
Android (android.graphics.Color)	4294049837 (0xFFFF2002D)
YUV	77.4880, -16.0166, 144.2770
Hunter-Lab	43.6654, 75.1779, 24.8536

Details

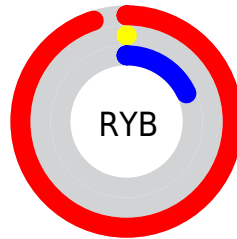
The Yxy color **19.0667, 0.6144, 0.3159** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **67.5323, 0.2416, 0.3898**, and the grayscale version is **7.5656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0381, 0.5204, 0.3314**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.0587, 0.6147, 0.3160**, and if you desaturate by 10%, it is **19.9249, 0.5863, 0.3083**.

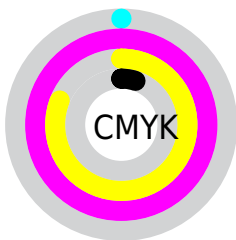
Distribution



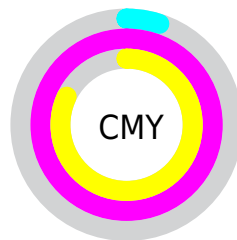
- Red (95%)
- Green (0%)
- Blue (18%)



- Red (95%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0667, 0.6144, 0.3159 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 19.0667, 0.6144, 0.3159 by changing the saturation by 10% instead.


 19.0667, 0.6144,
0.3159


 19.0667, 0.6144,
0.3159


246.8167, 0.4500,
0.3417

 11.7185, 0.6541,
0.3012


 41.8468, 0.5541,
0.3312


 6.5523, 0.7044,
0.2791


 58.0474, 0.5313,
0.3351

 3.1837, 0.7585,
0.2415

 77.9677, 0.5122,
0.3377

 1.2284, 0.8164,
0.1836

 101.9919, 0.4958,
0.3393

 0.0847, 0.9679,
0.0321

 130.5046, 0.4819,
0.3404

 0.0000, 1.0000,
0.0000

 163.8900, 0.4698,

 0.0000, 0.0000,

0.3411

0.0000

202.5326, 0.4592,
0.3415

■ 19.0667, 0.6144,
0.3159

■ 19.0667, 0.6144,
0.3159

■ 19.0587, 0.6147,
0.3160

■ 19.9249, 0.5863,
0.3083

■ 21.6919, 0.5491,
0.3030

■ 24.6287, 0.5071,
0.3010

■ 28.8946, 0.4653,
0.3020

■ 34.6241, 0.4273,
0.3051

■ 41.9347, 0.3946,
0.3095

■ 50.9323, 0.3673,
0.3145

■ 61.7134, 0.3450,
0.3196

■ 74.3673, 0.3270,
0.3245

Harmonies

Analogous

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



19.0667, 0.5170, 0.2387



19.0667, 0.6144, 0.3159



19.0667, 0.5850, 0.4037

Triad

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



19.0667, 0.6144, 0.3159



19.0667, 0.2209, 0.6169



19.0667, 0.1185, 0.1217

Complementary

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



19.0667, 0.6144, 0.3159



67.5323, 0.2416, 0.3898

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.



19.0667, 0.0846, 0.1454



19.0667, 0.6144, 0.3159



19.0667, 0.1236, 0.4063

Square

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



19.0667, 0.6144, 0.3159



19.0667, 0.3480, 0.6290



19.0667, 0.0834, 0.2252



19.0667, 0.1975, 0.1314

Rectangle

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



19.0667, 0.6144, 0.3159



19.0667, 0.5216, 0.4784



19.0667, 0.0834, 0.2252



19.0667, 0.1032, 0.1253

Sweetspot

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



19.0679, 0.6144, 0.3159



57.1342, 0.3678, 0.3144



17.8377, 0.2700, 0.1261



11.2645, 0.3788, 0.3123



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.



19.0679, 0.6144, 0.3159



21.4663, 0.6153, 0.3163



23.6137, 0.5987, 0.3627



15.8066, 0.3264, 0.3247



10.2561, 0.6113, 0.3141



0.8664, 0.5769, 0.2951

Inverse Universe

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



19.0679, 0.6144, 0.3159



21.4663, 0.6153, 0.3163



34.9642, 0.1963, 0.2265



15.8066, 0.3264, 0.3247



10.2561, 0.6113, 0.3141



0.8664, 0.5769, 0.2951

Previews

White Background



This preview shows how the Yxy color 19.0667, 0.6144, 0.3159 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 19.0667, 0.6144, 0.3159 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 19.0667, 0.6144, 0.3159

Background



This preview shows how black text looks on a background with the Yxy color 19.0667, 0.6144, 0.3159.



This preview shows how white text looks on a background with the Yxy color 19.0667, 0.6144, 0.3159.

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

19.0667, 0.6144, 0.3159

Protanopia

19.6764, 0.3889, 0.4246

Deuteranopia

19.4310, 0.4613, 0.4539



Tritanopia

19.2371, 0.6348, 0.3342

Trichromacy



Original Color

19.0667, 0.6144, 0.3159



Protanomaly

14.6699, 0.4998, 0.3525



Deuteranomaly

15.4409, 0.5527, 0.3717



Tritanomaly

19.0260, 0.6320, 0.3293

Monochromacy



Original Color

19.0667, 0.6144, 0.3159



Achromatopsia

7.6185, 0.3127, 0.3290



Achromatomaly

8.0778, 0.4715, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0667, 0.6144, 0.3159 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 45) }
```

Border

The CSS property to change the border of an element to Yxy 19.0667, 0.6144, 0.3159 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, 45) }
```

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

```
.border{ border-color:rgb(242, 0, 45) }
```

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, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 45);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 45)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0667, 0.6144, 0.3159 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, 45) }
```

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

```
.background{ background-color: rgb(242, 0,  
45) }
```

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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