

Converting Colors

$Y_{xy}(19.6011, 0.6107, 0.3138)$

Have a look what the booklet for
Yxy(19.6011, 0.6107, 0.3138)
contains.

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Color

Yxy(19.6342, 0.6111, 0.3140)

Conversions

Conversions Part 1

Format	Color
Hex	F50031
RGB	245, 0, 49
RGB Percent	96%, 0%, 19%
CMY	0.0392, 0.9999, 0.8078
CMYK	0.00, 1.00, 0.80, 0.04
HSL	348°, 100%, 48%
HSV	348°, 100%, 96%
XYZ	38.2117, 19.6342, 4.6834
YIQ	78.8410, 130.2910, 67.1790

Conversions

Conversions Part 2

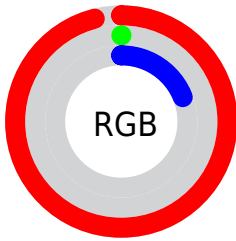
Format	Color
RYB	245, 0, 49
Decimal	16056369
CIELab	51.42, 78.42, 46.17
CIELCh	51, 90.998, 30.487
Yxy	19.6342, 0.6111, 0.3140
Android (android.graphics.Color)	4294246449 (0xFFFF50031)
YUV	78.8410, -14.7116, 145.7214
Hunter-Lab	44.3105, 76.3881, 24.7506

Details

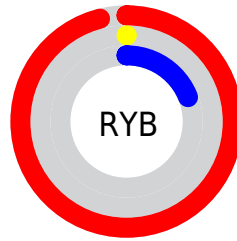
The Yxy color **19.6342, 0.6111, 0.3140** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **69.2926, 0.2432, 0.3953**, and the grayscale version is **7.8007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2889, 0.5149, 0.3287**, and **9.5947, 0.6370, 0.3283** is the 20% darker color. If you saturate the color by 10%, you get **19.6346, 0.6111, 0.3140**, and if you desaturate by 10%, it is **20.5132, 0.5826, 0.3060**.

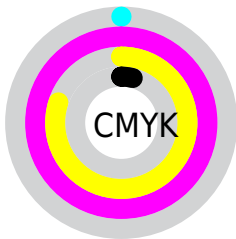
Distribution



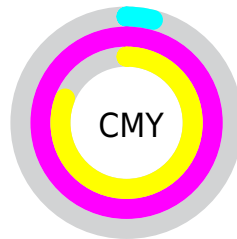
- Red (96%)
- Green (0%)
- Blue (19%)



- Red (96%)
- Yellow (0%)
- Blue (19%)



- Cyan (0%)
- Magenta (100%)
- Yellow (80%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6342, 0.6111, 0.3140 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 19.6342, 0.6111, 0.3140 by changing the saturation by 10% instead.


 19.6342, 0.6111,
0.3140


 19.6342, 0.6111,
0.3140


249.9279, 0.4485,
0.3399


 12.1294, 0.6506,
0.2998


 42.8030, 0.5514,
0.3290

 6.8319, 0.6994,
0.2778


 59.2359, 0.5289,
0.3329


 3.3572, 0.7573,
0.2427

 79.4136, 0.5099,
0.3355

 1.3209, 0.8140,
0.1860

 103.7204, 0.4938,
0.3373

 0.1573, 0.9459,
0.0541

 132.5409, 0.4800,
0.3384

 0.0000, 1.0000,
0.0000

 166.2594, 0.4681,

 0.0000, 0.0000,

0.3392

0.0000

205.2602, 0.4577,
0.3396

■ 19.6342, 0.6111,
0.3140

■ 19.6342, 0.6111,
0.3140

■ 19.6346, 0.6111,
0.3140

■ 20.5132, 0.5826,
0.3060

■ 22.3203, 0.5455,
0.3004

■ 25.3270, 0.5040,
0.2984

■ 29.6974, 0.4629,
0.2996

■ 35.5701, 0.4256,
0.3031

■ 43.0663, 0.3934,
0.3079

■ 52.2948, 0.3666,
0.3132

■ 63.3550, 0.3447,
0.3187

■ 76.3388, 0.3270,
0.3240

Harmonies

Analogous

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



19.6342, 0.5101, 0.2370



19.6342, 0.6111, 0.3140



19.6342, 0.5857, 0.4007

Triad

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



19.6342, 0.6111, 0.3140



19.6342, 0.2261, 0.6179



19.6342, 0.1179, 0.1230

Complementary

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



19.6342, 0.6111, 0.3140



69.2926, 0.2432, 0.3953

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.



19.6342, 0.0852, 0.1482



19.6342, 0.6111, 0.3140



19.6342, 0.1273, 0.4134

Square

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



19.6342, 0.6111, 0.3140



19.6342, 0.3531, 0.6242



19.6342, 0.0853, 0.2304



19.6342, 0.1948, 0.1317

Rectangle

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



19.6342, 0.6111, 0.3140



19.6342, 0.5251, 0.4749



19.6342, 0.0853, 0.2304



19.6342, 0.1030, 0.1271

Sweetspot

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



19.6355, 0.6111, 0.3140



57.1861, 0.3668, 0.3132



18.3302, 0.2699, 0.1260



11.2765, 0.3775, 0.3109



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.



19.6355, 0.6111, 0.3140



21.4990, 0.6115, 0.3143



24.2469, 0.5991, 0.3625



16.5367, 0.3262, 0.3243



10.5929, 0.6076, 0.3121



0.9450, 0.5744, 0.2938

Inverse Universe

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



19.6355, 0.6111, 0.3140



21.4990, 0.6115, 0.3143



35.9121, 0.1962, 0.2262



16.5367, 0.3262, 0.3243



10.5929, 0.6076, 0.3121



0.9450, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 19.6342, 0.6111, 0.3140 looks on a white background.

Color Contrast Check

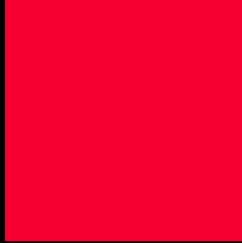
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6342, 0.6111, 0.3140 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 19.6342, 0.6111, 0.3140

Background



This preview shows how black text looks on a background with the Yxy color 19.6342, 0.6111, 0.3140.



This preview shows how white text looks on a background with the Yxy color 19.6342, 0.6111, 0.3140.

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

19.6342, 0.6111, 0.3140

Protanopia

20.1713, 0.3842, 0.4152

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

19.7694, 0.6349, 0.3340

Trichromacy



Original Color

19.6342, 0.6111, 0.3140



Protanomaly

15.2154, 0.4945, 0.3470



Deuteranomaly

15.8635, 0.5474, 0.3679



Tritanomaly

19.5646, 0.6313, 0.3288

Monochromacy



Original Color

19.6342, 0.6111, 0.3140



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.1875, 0.4684, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6342, 0.6111, 0.3140 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(245, 0, 49)` looks like.

```
.text, #text, p{  
  color:rgb(245, 0, 49)  
}
```

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(245, 0, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 49) }
```

Border

The CSS property to change the border of an element to Yxy 19.6342, 0.6111, 0.3140 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(245, 0, 49) }
```

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

```
.border{ border-color:rgb(245, 0, 49) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 49);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 49)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6342, 0.6111, 0.3140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 49) }
```

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

```
.background{ background-color: rgb(245, 0,  
49) }
```

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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