

Converting Colors

$Yxy(19.6281, 0.6074, 0.3120)$

Have a look what the booklet for
Yxy(19.6281, 0.6074, 0.3120)
contains.

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Color

Yxy(19.6604, 0.6079, 0.3123)

Conversions

Conversions Part 1

Format	Color
Hex	F50034
RGB	245, 0, 52
RGB Percent	96%, 0%, 20%
CMY	0.0393, 0.9989, 0.7962
CMYK	0.00, 1.00, 0.79, 0.04
HSL	347°, 100%, 48%
HSV	347°, 100%, 96%
XYZ	38.2695, 19.6604, 5.0237
YIQ	79.1830, 129.3280, 68.1120

Conversions

Conversions Part 2

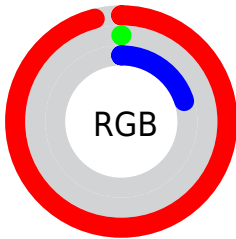
Format	Color
R _Y B	245, 0, 52
Decimal	16056372
CIE Lab	51.45, 78.47, 44.56
CIE LCh	51, 90.244, 29.591
Yxy	19.6604, 0.6079, 0.3123
Android (android.graphics.Color)	4294246452 (0xFFFF50034)
YUV	79.1830, -13.4012, 145.4215
Hunter-Lab	44.3400, 76.4666, 24.3205

Details

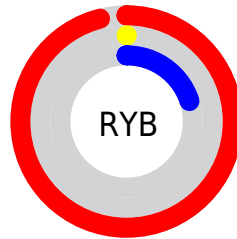
The Yxy color **19.6604, 0.6079, 0.3123** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **69.1541, 0.2443, 0.3993**, and the grayscale version is **7.8933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3453, 0.5112, 0.3260**, and **9.6034, 0.6346, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **19.6539, 0.6082, 0.3124**, and if you desaturate by 10%, it is **20.5522, 0.5789, 0.3040**.

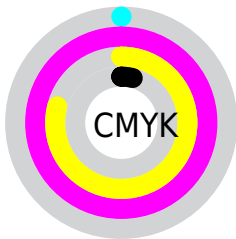
Distribution



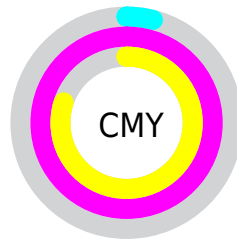
- Red (96%)
- Green (0%)
- Blue (20%)



- Red (96%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6604, 0.6079, 0.3123 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 19.6604, 0.6079, 0.3123 by changing the saturation by 10% instead.


 19.6604, 0.6079,
0.3123


 19.6604, 0.6079,
0.3123


250.0707, 0.4465,
0.3383


 12.1484, 0.6476,
0.2983


 42.8471, 0.5484,
0.3271


 6.8448, 0.6962,
0.2765


 59.2906, 0.5260,
0.3310

 3.3653, 0.7573,
0.2427

 79.4801, 0.5072,
0.3337

 1.3253, 0.8139,
0.1861

 103.7999, 0.4913,
0.3354

 0.1606, 0.9450,
0.0550

 132.6345, 0.4776,
0.3367

 0.0000, 1.0000,
0.0000

 166.3682, 0.4658,

 0.0000, 0.0000,

0.3375

0.0000

205.3855, 0.4556,
0.3380

■ 19.6604, 0.6079,
0.3123

■ 19.6604, 0.6079,
0.3123

■ 19.6539, 0.6082,
0.3124

■ 20.5522, 0.5789,
0.3040

■ 22.3756, 0.5418,
0.2984

■ 25.3984, 0.5007,
0.2965

■ 29.7840, 0.4603,
0.2979

■ 35.6704, 0.4236,
0.3016

■ 43.1783, 0.3920,
0.3067

■ 52.4163, 0.3656,
0.3124

■ 63.4834, 0.3441,
0.3182

■ 76.4713, 0.3267,
0.3238

Harmonies

Analogous

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



19.6604, 0.5037, 0.2355



19.6604, 0.6079, 0.3123



19.6604, 0.5864, 0.3982

Triad

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



19.6604, 0.6079, 0.3123



19.6604, 0.2308, 0.6184



19.6604, 0.1174, 0.1243

Complementary

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



19.6604, 0.6079, 0.3123



69.1541, 0.2443, 0.3993

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.



19.6604, 0.0858, 0.1508



19.6604, 0.6079, 0.3123



19.6604, 0.1308, 0.4197

Square

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



19.6604, 0.6079, 0.3123



19.6604, 0.3576, 0.6198



19.6604, 0.0870, 0.2352



19.6604, 0.1925, 0.1321

Rectangle

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



19.6604, 0.6079, 0.3123



19.6604, 0.5282, 0.4718



19.6604, 0.0870, 0.2352



19.6604, 0.1029, 0.1287

Sweetspot

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



19.6617, 0.6079, 0.3123



57.2251, 0.3660, 0.3123



17.7976, 0.2657, 0.1238



11.2854, 0.3766, 0.3099



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.



19.6617, 0.6079, 0.3123



21.5252, 0.6086, 0.3126



23.7395, 0.6028, 0.3594



16.5398, 0.3260, 0.3240



10.6066, 0.6045, 0.3104



0.9467, 0.5708, 0.2918

Inverse Universe

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



19.6617, 0.6079, 0.3123



21.5252, 0.6086, 0.3126



37.5033, 0.1979, 0.2324



16.5398, 0.3260, 0.3240



10.6066, 0.6045, 0.3104



0.9467, 0.5708, 0.2918

Previews

White Background



This preview shows how the Yxy color 19.6604, 0.6079, 0.3123 looks on a white background.

Color Contrast Check

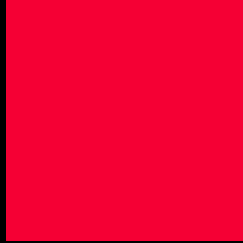
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6604, 0.6079, 0.3123 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 19.6604, 0.6079, 0.3123

Background



This preview shows how black text looks on a background with the Yxy color 19.6604, 0.6079, 0.3123.



This preview shows how white text looks on a background with the Yxy color 19.6604, 0.6079, 0.3123.

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

19.6604, 0.6079, 0.3123

Protanopia

20.1454, 0.3783, 0.4087

Deuteranopia

20.1461, 0.4550, 0.4473



Tritanopia

19.8201, 0.6328, 0.3333

Trichromacy



Original Color

19.6604, 0.6079, 0.3123

Protanomaly

15.1481, 0.4870, 0.3419

Deuteranomaly

15.8836, 0.5444, 0.3655

Tritanomaly

19.6090, 0.6287, 0.3277

Monochromacy



Original Color

19.6604, 0.6079, 0.3123

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.1998, 0.4661, 0.2971

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6604, 0.6079, 0.3123 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 52) }
```

Border

The CSS property to change the border of an element to Yxy 19.6604, 0.6079, 0.3123 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, 52) }
```

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

```
.border{ border-color:rgb(245, 0, 52) }
```

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, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 52);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 52)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6604, 0.6079, 0.3123 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, 52) }
```

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

```
.background{ background-color: rgb(245, 0,  
52) }
```

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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