

Converting Colors

$Yxy(19.5186, 0.6031, 0.3096)$

Have a look what the booklet for
Yxy(19.5186, 0.6031, 0.3096)
contains.

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Color

Yxy(19.5186, 0.6031, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	F40038
RGB	244, 0, 56
RGB Percent	96%, 0%, 22%
CMY	0.0431, 0.9998, 0.7804
CMYK	0.00, 1.00, 0.77, 0.04
HSL	346°, 100%, 48%
HSV	346°, 100%, 96%
XYZ	38.0222, 19.5186, 5.5038
YIQ	79.3400, 127.4480, 69.1440

Conversions

Conversions Part 2

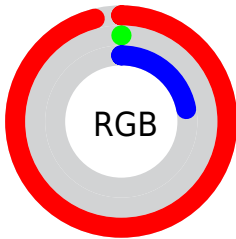
Format	Color
R_YB	244, 0, 56
Decimal	15990840
CIE _{Lab}	51.29, 78.38, 42.07
CIE _{LCh}	51, 88.953, 28.223
Yxy	19.5186, 0.6031, 0.3096
Android (android.graphics.Color)	4294180920 (0xFFFF40038)
YUV	79.3400, -11.5066, 144.4068
Hunter-Lab	44.1799, 76.3064, 23.5397

Details

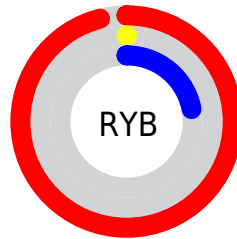
The Yxy color **19.5186, 0.6031, 0.3096** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **68.3356, 0.2461, 0.4058**, and the grayscale version is **7.8981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4237, 0.5062, 0.3223**, and **9.4967, 0.6312, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **19.5182, 0.6031, 0.3096**, and if you desaturate by 10%, it is **20.4106, 0.5736, 0.3009**.

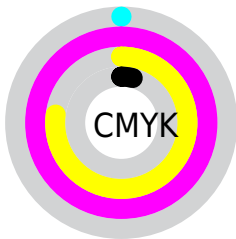
Distribution



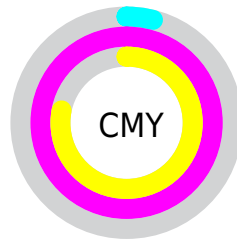
- Red (96%)
- Green (0%)
- Blue (22%)



- Red (96%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5186, 0.6031, 0.3096 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 19.5186, 0.6031, 0.3096 by changing the saturation by 10% instead.


 19.5186, 0.6031,
0.3096

 19.5186, 0.6031,
0.3096


249.2970, 0.4434,
0.3360


 12.0456, 0.6431,
0.2959


 42.6086, 0.5437,
0.3243

 6.7747, 0.6920,
0.2743


 58.9944, 0.5215,
0.3282


 3.3216, 0.7578,
0.2422

 79.1199, 0.5030,
0.3309

 1.3019, 0.8147,
0.1853

 103.3695, 0.4873,
0.3327

 0.1426, 0.9501,
0.0499

 132.1276, 0.4739,
0.3340

 0.0000, 1.0000,
0.0000

 165.7786, 0.4623,

 0.0000, 0.0000,

0.3349

0.0000

204.7070, 0.4522,
0.3356

■ 19.5186, 0.6031,
0.3096

■ 19.5186, 0.6031,
0.3096

■ 19.5182, 0.6031,
0.3096

■ 20.4106, 0.5736,
0.3009

■ 22.2188, 0.5367,
0.2952

■ 25.2110, 0.4964,
0.2934

■ 29.5488, 0.4569,
0.2951

■ 35.3687, 0.4211,
0.2992

■ 42.7899, 0.3903,
0.3047

■ 51.9196, 0.3646,
0.3109

■ 62.8558, 0.3436,
0.3172

■ 75.6888, 0.3265,
0.3233

Harmonies

Analogous

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



19.5186, 0.4943, 0.2332



19.5186, 0.6031, 0.3096



19.5186, 0.5875, 0.3944

Triad

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



19.5186, 0.6031, 0.3096



19.5186, 0.2378, 0.6193



19.5186, 0.1166, 0.1262

Complementary

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



19.5186, 0.6031, 0.3096



68.3356, 0.2461, 0.4058

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.



19.5186, 0.0866, 0.1546



19.5186, 0.6031, 0.3096



19.5186, 0.1360, 0.4292

Square

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



19.5186, 0.6031, 0.3096



19.5186, 0.3644, 0.6135



19.5186, 0.0896, 0.2425



19.5186, 0.1890, 0.1325

Rectangle

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



19.5186, 0.6031, 0.3096



19.5186, 0.5316, 0.4662



19.5186, 0.0896, 0.2425



19.5186, 0.1027, 0.1312

Sweetspot

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



19.5198, 0.6031, 0.3096



57.2875, 0.3648, 0.3109



17.1078, 0.2615, 0.1214



11.2998, 0.3751, 0.3082



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.



19.5198, 0.6031, 0.3096



21.5703, 0.6037, 0.3099



23.0263, 0.6068, 0.3564



16.5448, 0.3257, 0.3236



10.6300, 0.5994, 0.3076



0.9494, 0.5650, 0.2886

Inverse Universe

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



19.5198, 0.6031, 0.3096



21.5703, 0.6037, 0.3099



38.7517, 0.1996, 0.2384



16.5448, 0.3257, 0.3236



10.6300, 0.5994, 0.3076



0.9494, 0.5650, 0.2886

Previews

White Background



This preview shows how the Yxy color 19.5186, 0.6031, 0.3096 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 19.5186, 0.6031, 0.3096 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 19.5186, 0.6031, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 19.5186, 0.6031, 0.3096.



This preview shows how white text looks on a background with the Yxy color 19.5186, 0.6031, 0.3096.

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

19.5186, 0.6031, 0.3096

Protanopia

20.1395, 0.3712, 0.4003

Deuteranopia

20.0855, 0.4494, 0.4426



Tritanopia

19.6940, 0.6305, 0.3326

Trichromacy



Original Color

19.5186, 0.6031, 0.3096

Protanomaly

15.0850, 0.4793, 0.3365

Deuteranomaly

15.7942, 0.5379, 0.3615

Tritanomaly

19.4802, 0.6254, 0.3262

Monochromacy



Original Color

19.5186, 0.6031, 0.3096

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.2251, 0.4613, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5186, 0.6031, 0.3096 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(244, 0, 56)` looks like.

```
.text, #text, p{  
  color:rgb(244, 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(244, 0, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 56) }
```

Border

The CSS property to change the border of an element to Yxy 19.5186, 0.6031, 0.3096 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(244, 0, 56) }
```

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

```
.border{ border-color:rgb(244, 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(244, 0, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 56);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 56)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5186, 0.6031, 0.3096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 56) }
```

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

```
.background{ background-color: rgb(244, 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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