

Converting Colors

$Yxy(19.4157, 0.6061, 0.3113)$

Have a look what the booklet for
Yxy(19.4157, 0.6061, 0.3113)
contains.

Yxy(19.4901, 0.6065, 0.3115)	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(19.4901, 0.6065, 0.3115)

Conversions

Conversions Part 1

Format	Color
Hex	F40035
RGB	244, 0, 53
RGB Percent	96%, 0%, 21%
CMY	0.0432, 0.9994, 0.7921
CMYK	0.00, 1.00, 0.78, 0.04
HSL	347°, 100%, 48%
HSV	347°, 100%, 96%
XYZ	37.9478, 19.4901, 5.1306
YIQ	78.9980, 128.4110, 68.2110

Conversions

Conversions Part 2

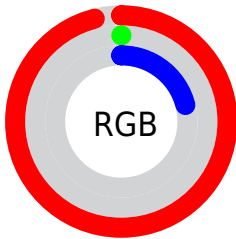
Format	Color
R_{YB}	244, 0, 53
Decimal	15990837
CIE _{Lab}	51.26, 78.28, 43.72
CIE _{LCh}	51, 89.660, 29.184
Yxy	19.4901, 0.6065, 0.3115
Android (android.graphics.Color)	4294180917 (0xFFFF40035)
YUV	78.9980, -12.8170, 144.7068
Hunter-Lab	44.1476, 76.1744, 24.0129

Details

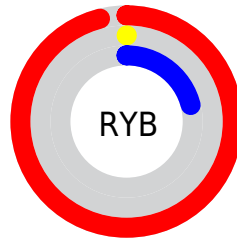
The Yxy color **19.4901, 0.6065, 0.3115** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **68.4625, 0.2448, 0.4013**, and the grayscale version is **7.8430, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3645, 0.5100, 0.3251**, and **9.4891, 0.6333, 0.3262** is the 20% darker color. If you saturate the color by 10%, you get **19.4868, 0.6067, 0.3116**, and if you desaturate by 10%, it is **20.3767, 0.5774, 0.3031**.

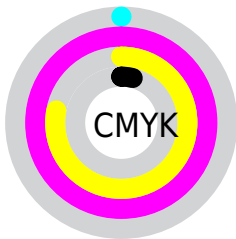
Distribution



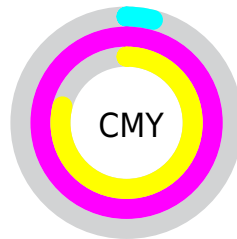
- Red (96%)
- Green (0%)
- Blue (21%)



- Red (96%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (4%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4901, 0.6065, 0.3115 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 19.4901, 0.6065, 0.3115 by changing the saturation by 10% instead.


 19.4901, 0.6065,
0.3115


 19.4901, 0.6065,
0.3115


249.1412, 0.4454,
0.3376


 12.0249, 0.6464,
0.2976


 42.5606, 0.5469,
0.3263


 6.7607, 0.6953,
0.2757


 58.9348, 0.5245,
0.3302


 3.3129, 0.7578,
0.2422


 79.0474, 0.5058,
0.3328

 1.2972, 0.8147,
0.1853

 103.2829, 0.4899,
0.3346

 0.1390, 0.9511,
0.0489

 132.0256, 0.4764,
0.3359

 0.0000, 1.0000,
0.0000

 165.6600, 0.4646,

 0.0000, 0.0000,

0.3367

0.0000

204.5704, 0.4544,
0.3373

■ 19.4901, 0.6065,
0.3115

■ 19.4901, 0.6065,
0.3115

■ 19.4868, 0.6067,
0.3116

■ 20.3767, 0.5774,
0.3031

■ 22.1830, 0.5403,
0.2974

■ 25.1758, 0.4994,
0.2955

■ 29.5170, 0.4593,
0.2970

■ 35.3431, 0.4229,
0.3009

■ 42.7736, 0.3915,
0.3061

■ 51.9160, 0.3653,
0.3119

■ 62.8682, 0.3440,
0.3179

■ 75.7208, 0.3266,
0.3236

Harmonies

Analogous

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



19.4901, 0.5009, 0.2348



19.4901, 0.6065, 0.3115



19.4901, 0.5867, 0.3971

Triad

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



19.4901, 0.6065, 0.3115



19.4901, 0.2329, 0.6187



19.4901, 0.1171, 0.1249

Complementary

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



19.4901, 0.6065, 0.3115



68.4625, 0.2448, 0.4013

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.



19.4901, 0.0860, 0.1519



19.4901, 0.6065, 0.3115



19.4901, 0.1324, 0.4226

Square

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



19.4901, 0.6065, 0.3115



19.4901, 0.3597, 0.6180



19.4901, 0.0878, 0.2374



19.4901, 0.1915, 0.1322

Rectangle

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



19.4901, 0.6065, 0.3115



19.4901, 0.5293, 0.4702



19.4901, 0.0878, 0.2374



19.4901, 0.1028, 0.1294

Sweetspot

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



19.4913, 0.6065, 0.3115



57.2439, 0.3657, 0.3119



17.1110, 0.2615, 0.1214



11.2898, 0.3761, 0.3094



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.



19.4913, 0.6065, 0.3115



21.5384, 0.6072, 0.3118



23.0324, 0.6067, 0.3564



16.5413, 0.3259, 0.3239



10.6135, 0.6030, 0.3096



0.9475, 0.5691, 0.2909

Inverse Universe

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



19.4913, 0.6065, 0.3115



21.5384, 0.6072, 0.3118



38.7586, 0.1996, 0.2384



16.5413, 0.3259, 0.3239



10.6135, 0.6030, 0.3096



0.9475, 0.5691, 0.2909

Previews

White Background



This preview shows how the Yxy color 19.4901, 0.6065, 0.3115 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 19.4901, 0.6065, 0.3115 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 19.4901, 0.6065, 0.3115

Background



This preview shows how black text looks on a background with the Yxy color 19.4901, 0.6065, 0.3115.



This preview shows how white text looks on a background with the Yxy color 19.4901, 0.6065, 0.3115.

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

19.4901, 0.6065, 0.3115

Protanopia

20.0777, 0.3759, 0.4074

Deuteranopia

19.8247, 0.4537, 0.4450



Tritanopia

19.6460, 0.6321, 0.3330

Trichromacy



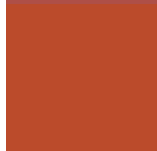
Original Color

19.4901, 0.6065, 0.3115



Protanomaly

15.0456, 0.4842, 0.3406



Deuteranomaly

15.7714, 0.5413, 0.3641



Tritanomaly

19.4347, 0.6280, 0.3274

Monochromacy



Original Color

19.4901, 0.6065, 0.3115



Achromatopsia

7.8187, 0.3127, 0.3290



Achromatomaly

8.2124, 0.4637, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4901, 0.6065, 0.3115 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, 53)` looks like.

```
.text, #text, p{  
  color:rgb(244, 0, 53)  
}
```

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, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 53) }
```

Border

The CSS property to change the border of an element to Yxy 19.4901, 0.6065, 0.3115 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, 53) }
```

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

```
.border{ border-color:rgb(244, 0, 53) }
```

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, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 53);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 53)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4901, 0.6065, 0.3115 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, 53) }
```

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

```
.background{ background-color: rgb(244, 0,  
53) }
```

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