

Converting Colors

Yxy(21.5730, 0.6034, 0.3098)

Have a look what the booklet for
Yxy(21.5730, 0.6034, 0.3098)
contains.

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Color

Yxy(21.5758, 0.6031, 0.3096)

Conversions

Conversions Part 1

Format	Color
Hex	FF003B
RGB	255, 0, 59
RGB Percent	100%, 0%, 23%
CMY	0.0000, 0.9998, 0.7687
CMYK	0.00, 1.00, 0.77, 0.00
HSL	346°, 100%, 50%
HSV	346°, 100%, 100%
XYZ	42.0296, 21.5758, 6.0839
YIQ	82.9710, 133.0410, 72.4090

Conversions

Conversions Part 2

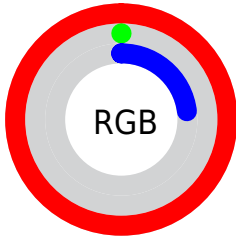
Format	Color
RYB	255, 0, 59
Decimal	16711739
CIELab	53.57, 81.04, 43.49
CIElCh	54, 91.974, 28.223
Yxy	21.5758, 0.6031, 0.3096
Android (android.graphics.Color)	4294901819 (0xFFFF003B)
YUV	82.9710, -11.8177, 150.8694
Hunter-Lab	46.4498, 80.2269, 24.7492

Details

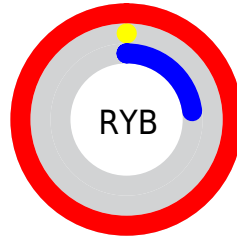
The Yxy color **21.5758, 0.6031, 0.3096** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.5098, 0.2463, 0.4067**, and the grayscale version is **8.6552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8709, 0.4998, 0.3203**, and **10.7318, 0.6301, 0.3245** is the 20% darker color. If you saturate the color by 10%, you get **21.5750, 0.6032, 0.3096**, and if you desaturate by 10%, it is **22.5380, 0.5738, 0.3008**.

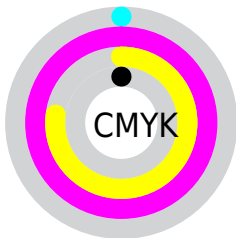
Distribution



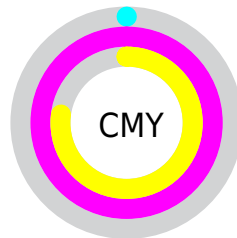
- Red (100%)
- Green (0%)
- Blue (23%)



- Red (100%)
- Yellow (0%)
- Blue (23%)



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.5758, 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 21.5758, 0.6031, 0.3096 by changing the saturation by 10% instead.


 21.5758, 0.6031,
0.3096


 21.5758, 0.6031,
0.3096


260.3229, 0.4459,
0.3359


 13.5455, 0.6417,
0.2965


 46.0439, 0.5453,
0.3239


 7.8053, 0.6884,
0.2760


 63.2505, 0.5236,
0.3279


 3.9706, 0.7531,
0.2469

 84.2847, 0.5053,
0.3306

 1.6571, 0.8062,
0.1938

 109.5308, 0.4897,
0.3325

 0.3957, 0.8969,
0.1031

 139.3733, 0.4764,
0.3338

 0.0000, 1.0000,
0.0000

 174.1966, 0.4648,

 0.0000, 0.0000,

0.3347

0.0000

214.3850, 0.4548,
0.3354

■ 21.5758, 0.6031,
0.3096

■ 21.5758, 0.6031,
0.3096

■ 21.5750, 0.6032,
0.3096

■ 22.5380, 0.5738,
0.3008

■ 24.5185, 0.5369,
0.2949

■ 27.8099, 0.4966,
0.2931

■ 32.5928, 0.4571,
0.2947

■ 39.0191, 0.4212,
0.2989

■ 47.2220, 0.3904,
0.3045

■ 57.3208, 0.3646,
0.3107

■ 69.4245, 0.3436,
0.3171

■ 83.6339, 0.3265,
0.3232

Harmonies

Analogous

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



21.5758, 0.4943, 0.2332



21.5758, 0.6031, 0.3096



21.5758, 0.5874, 0.3944

Triad

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



21.5758, 0.6031, 0.3096



21.5758, 0.2378, 0.6193



21.5758, 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.



21.5758, 0.6031, 0.3096



75.5098, 0.2463, 0.4067

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.



21.5758, 0.0866, 0.1546



21.5758, 0.6031, 0.3096



21.5758, 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.



21.5758, 0.6031, 0.3096



21.5758, 0.3643, 0.6132



21.5758, 0.0896, 0.2425



21.5758, 0.1890, 0.1325

Rectangle

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



21.5758, 0.6031, 0.3096



21.5758, 0.5309, 0.4656



21.5758, 0.0896, 0.2425



21.5758, 0.1027, 0.1312

Sweetspot

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



21.5769, 0.6031, 0.3096



57.2938, 0.3647, 0.3107



18.8921, 0.2613, 0.1213



11.3013, 0.3749, 0.3081



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.



21.5769, 0.6031, 0.3096



21.5750, 0.6032, 0.3096



25.3999, 0.6072, 0.3561



18.0558, 0.3258, 0.3235



11.2921, 0.5993, 0.3075



1.1154, 0.5683, 0.2905

Inverse Universe

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



21.5769, 0.6031, 0.3096



21.5750, 0.6032, 0.3096



42.7681, 0.1995, 0.2382



18.0558, 0.3258, 0.3235



11.2921, 0.5993, 0.3075



1.1154, 0.5683, 0.2905

Previews

White Background



This preview shows how the Yxy color 21.5758, 0.6031, 0.3096 looks on a white background.

Color Contrast Check

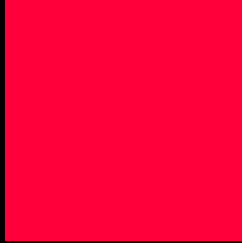
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5758, 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 21.5758, 0.6031, 0.3096

Background



This preview shows how black text looks on a background with the Yxy color 21.5758, 0.6031, 0.3096.



This preview shows how white text looks on a background with the Yxy color 21.5758, 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

21.5758, 0.6031, 0.3096

Protanopia

22.0141, 0.3705, 0.3976

Deuteranopia

22.0217, 0.4502, 0.4422



Tritanopia

21.7952, 0.6304, 0.3328

Trichromacy



Original Color

21.5758, 0.6031, 0.3096



Protanomaly

16.5442, 0.4782, 0.3335



Deuteranomaly

17.4063, 0.5387, 0.3601



Tritanomaly

21.5352, 0.6253, 0.3261

Monochromacy



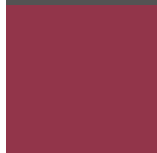
Original Color

21.5758, 0.6031, 0.3096



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

9.1516, 0.4633, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.5758, 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(255, 0, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 59)  
}
```

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(255, 0, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 59) }
```

Border

The CSS property to change the border of an element to Yxy 21.5758, 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(255, 0, 59) }
```

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

```
.border{ border-color:rgb(255, 0, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 0, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 59)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.5758, 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(255, 0, 59) }
```

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

```
.background{ background-color: rgb(255, 0,  
59) }
```

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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