

Converting Colors

$Yxy(19.5838, 0.5965, 0.3102)$

Have a look what the booklet for
Yxy(19.5838, 0.5965, 0.3102)
contains.

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Color

Yxy(19.5347, 0.5961, 0.3099)

Conversions

Conversions Part 1

Format	Color
Hex	F20F3B
RGB	242, 15, 59
RGB Percent	95%, 6%, 23%
CMY	0.0510, 0.9407, 0.7687
CMYK	0.00, 0.94, 0.76, 0.05
HSL	348°, 90%, 50%
HSV	348°, 94%, 95%
XYZ	37.5755, 19.5347, 5.9253
YIQ	87.8890, 121.1680, 61.8080

Conversions

Conversions Part 2

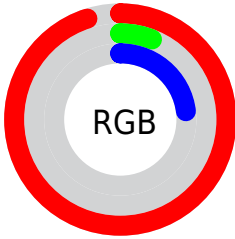
Format	Color
R_{YB}	242, 15, 59
Decimal	15863611
CIE Lab	51.31, 76.85, 40.26
CIE LCh	51, 86.755, 27.647
Yxy	19.5347, 0.5961, 0.3099
Android (android.graphics.Color)	4294053691 (0xFFFF20F3B)
YUV	87.8890, -14.2423, 135.1553
Hunter-Lab	44.1981, 74.4070, 22.9900

Details

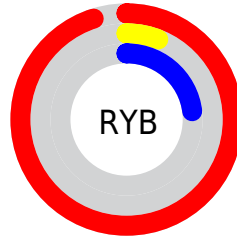
The Yxy color **19.5347, 0.5961, 0.3099** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **67.6836, 0.2420, 0.3886**, and the grayscale version is **9.7593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0360, 0.5005, 0.3222**, and **9.2706, 0.6285, 0.3236** is the 20% darker color. If you saturate the color by 10%, you get **19.0790, 0.6126, 0.3149**, and if you desaturate by 10%, it is **20.9045, 0.5620, 0.3032**.

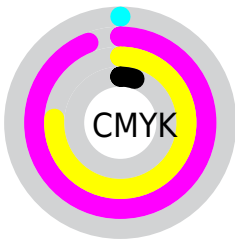
Distribution



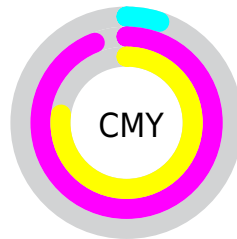
- Red (95%)
- Green (6%)
- Blue (23%)



- Red (95%)
- Yellow (6%)
- Blue (23%)



- Cyan (0%)
- Magenta (94%)
- Yellow (76%)
- Black (5%)




- Cyan (5%)
- Magenta (94%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.5347, 0.5961, 0.3099 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 19.5347, 0.5961, 0.3099 by changing the saturation by 10% instead.


 19.5347, 0.5961,
0.3099


 19.5347, 0.5961,
0.3099


249.3849, 0.4396,
0.3351


 12.0573, 0.6359,
0.2968


 42.6357, 0.5375,
0.3239

 6.7827, 0.6849,
0.2761

 59.0280, 0.5158,
0.3276


 3.3266, 0.7542,
0.2458

 79.1608, 0.4977,
0.3302

 1.3045, 0.8110,
0.1890

 103.4184, 0.4823,
0.3319

 0.1447, 0.9481,
0.0519

 132.1852, 0.4693,
0.3332

 0.0000, 1.0000,
0.0000

 165.8456, 0.4580,

 0.0000, 0.0000,

0.3341

0.0000

204.7841, 0.4482,
0.3347

■ 19.5347, 0.5961,
0.3099

■ 19.5347, 0.5961,
0.3099

■ 19.0790, 0.6126,
0.3149


■ 20.9045, 0.5620,
0.3032


■ 23.3698, 0.5213,
0.2999


■ 27.1048, 0.4794,
0.2999


■ 32.2520, 0.4401,
0.3025

■ 38.9347, 0.4056,
0.3067

 47.2628, 0.3766,
0.3118

 57.3360, 0.3527,
0.3171

 69.2461, 0.3334,
0.3223

 83.0784, 0.3178,
0.3272

Harmonies

Analogous

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



19.5347, 0.4871, 0.2339



19.5347, 0.5961, 0.3099



19.5347, 0.5846, 0.3940

Triad

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



19.5347, 0.5961, 0.3099



19.5347, 0.2431, 0.6128



19.5347, 0.1186, 0.1295

Complementary

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



19.5347, 0.5961, 0.3099



67.6836, 0.2420, 0.3886

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.



19.5347, 0.0895, 0.1589



19.5347, 0.5961, 0.3099



19.5347, 0.1413, 0.4312

Square

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



19.5347, 0.5961, 0.3099



19.5347, 0.3683, 0.6065



19.5347, 0.0935, 0.2476



19.5347, 0.1896, 0.1351

Rectangle

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



19.5347, 0.5961, 0.3099



19.5347, 0.5305, 0.4634



19.5347, 0.0935, 0.2476



19.5347, 0.1051, 0.1348

Sweetspot

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



19.5359, 0.5961, 0.3099



59.4249, 0.3624, 0.3148



18.5735, 0.2732, 0.1297



11.6965, 0.3731, 0.3125



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.



19.5359, 0.5961, 0.3099



21.4843, 0.6132, 0.3152



25.1239, 0.5842, 0.3687



15.8088, 0.3263, 0.3245



10.2654, 0.6091, 0.3129



0.8674, 0.5742, 0.2937

Inverse Universe

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



19.5359, 0.5961, 0.3099



21.4843, 0.6132, 0.3152



36.7567, 0.1990, 0.2333



15.8088, 0.3263, 0.3245



10.2654, 0.6091, 0.3129



0.8674, 0.5742, 0.2937

Previews

White Background



This preview shows how the Yxy color 19.5347, 0.5961, 0.3099 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 19.5347, 0.5961, 0.3099 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 19.5347, 0.5961, 0.3099

Background



This preview shows how black text looks on a background with the Yxy color 19.5347, 0.5961, 0.3099.



This preview shows how white text looks on a background with the Yxy color 19.5347, 0.5961, 0.3099.

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

19.5347, 0.5961, 0.3099

Protanopia

19.8737, 0.3658, 0.3917

Deuteranopia

19.7821, 0.4462, 0.4378



Tritanopia

19.5818, 0.6251, 0.3325

Trichromacy



Original Color

19.5347, 0.5961, 0.3099

Protanomaly

15.7749, 0.4668, 0.3381

Deuteranomaly

16.4067, 0.5261, 0.3643

Tritanomaly

19.4291, 0.6184, 0.3259

Monochromacy



Original Color

19.5347, 0.5961, 0.3099

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.8026, 0.4470, 0.3020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5347, 0.5961, 0.3099 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(242, 15, 59)` looks like.

```
.text, #text, p{  
    color:rgb(242, 15, 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(242, 15, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 15, 59) }
```

Border

The CSS property to change the border of an element to Yxy 19.5347, 0.5961, 0.3099 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(242, 15, 59) }
```

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

```
.border{ border-color:rgb(242, 15, 59) }
```

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

Here you see how a box with a 4 pixel rgb(242, 15, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 15, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 15, 59);  
box-shadow:4px 4px 4px 4px rgb(242, 15,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5347, 0.5961, 0.3099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 15, 59) }
```

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

```
.background{ background-color: rgb(242, 15,  
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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