

Converting Colors

$Yxy(19.1868, 0.6050, 0.3106)$

Have a look what the booklet for
Yxy(19.1868, 0.6050, 0.3106)
contains.

Yxy(19.1436, 0.6048, 0.3105)	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(19.1436, 0.6048, 0.3105)

Conversions

Conversions Part 1

Format	Color
Hex	F20036
RGB	242, 0, 54
RGB Percent	95%, 0%, 21%
CMY	0.0509, 1.0000, 0.7882
CMYK	0.00, 1.00, 0.78, 0.05
HSL	347°, 100%, 47%
HSV	347°, 100%, 95%
XYZ	37.2884, 19.1436, 5.2221
YIQ	78.5140, 126.8980, 68.0980

Conversions

Conversions Part 2

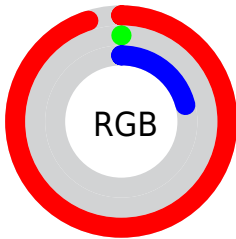
Format	Color
R_{YB}	242, 0, 54
Decimal	15859766
CIE Lab	50.85, 77.86, 42.60
CIE LCh	51, 88.754, 28.685
Yxy	19.1436, 0.6048, 0.3105
Android (android.graphics.Color)	4294049846 (0xFFFF20036)
YUV	78.5140, -12.0854, 143.3772
Hunter-Lab	43.7534, 75.5564, 23.5509

Details

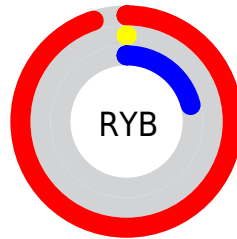
The Yxy color **19.1436, 0.6048, 0.3105** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **67.1444, 0.2455, 0.4036**, and the grayscale version is **7.7276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2050, 0.5094, 0.3233**, and **9.2567, 0.6324, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **19.1466, 0.6048, 0.3105**, and if you desaturate by 10%, it is **20.0203, 0.5755, 0.3020**.

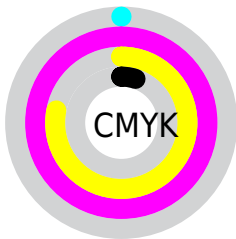
Distribution



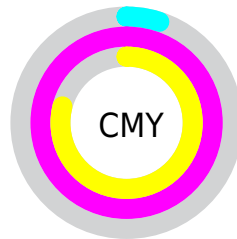
- Red (95%)
- Green (0%)
- Blue (21%)



- Red (95%)
- Yellow (0%)
- Blue (21%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1436, 0.6048, 0.3105 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 19.1436, 0.6048, 0.3105 by changing the saturation by 10% instead.


 19.1436, 0.6048,
0.3105


 19.1436, 0.6048,
0.3105

247.2404, 0.4439,
0.3368


 11.7741, 0.6450,
0.2966


 41.9766, 0.5450,
0.3253


 6.5900, 0.6944,
0.2747


 58.2089, 0.5226,
0.3292


 3.2071, 0.7587,
0.2413


 78.1642, 0.5040,
0.3319

 1.2408, 0.8164,
0.1836

 102.2270, 0.4882,
0.3337

 0.0946, 0.9648,
0.0352

 130.7816, 0.4746,
0.3349

 0.0000, 1.0000,
0.0000

 164.2124, 0.4630,

 0.0000, 0.0000,

0.3358

0.0000

202.9039, 0.4528,
0.3364

■ 19.1436, 0.6048,
0.3105

■ 19.1436, 0.6048,
0.3105

■ 19.1466, 0.6048,
0.3105

■ 20.0203, 0.5755,
0.3020

■ 21.7931, 0.5385,
0.2963

■ 24.7283, 0.4979,
0.2944

■ 28.9845, 0.4581,
0.2960

■ 34.6954, 0.4220,
0.3000

■ 41.9782, 0.3909,
0.3054

■ 50.9381, 0.3650,
0.3114

■ 61.6711, 0.3438,
0.3175

■ 74.2660, 0.3266,
0.3234

Harmonies

Analogous

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



19.1436, 0.4975, 0.2340



19.1436, 0.6048, 0.3105



19.1436, 0.5872, 0.3957

Triad

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



19.1436, 0.6048, 0.3105



19.1436, 0.2354, 0.6191



19.1436, 0.1168, 0.1255

Complementary

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



19.1436, 0.6048, 0.3105



67.1444, 0.2455, 0.4036

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.



19.1436, 0.0863, 0.1533



19.1436, 0.6048, 0.3105



19.1436, 0.1342, 0.4260

Square

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



19.1436, 0.6048, 0.3105



19.1436, 0.3622, 0.6158



19.1436, 0.0887, 0.2400



19.1436, 0.1902, 0.1323

Rectangle

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



19.1436, 0.6048, 0.3105



19.1436, 0.5307, 0.4682



19.1436, 0.0887, 0.2400



19.1436, 0.1027, 0.1303

Sweetspot

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



19.1466, 0.6048, 0.3105



57.2663, 0.3652, 0.3114



16.7940, 0.2615, 0.1214



11.2949, 0.3756, 0.3088



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.



19.1466, 0.6048, 0.3105



21.5546, 0.6054, 0.3109



22.6078, 0.6068, 0.3564



15.8166, 0.3258, 0.3238



10.3010, 0.6010, 0.3084



0.8715, 0.5648, 0.2885

Inverse Universe

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



19.1466, 0.6048, 0.3105



21.5546, 0.6054, 0.3109



38.0453, 0.1996, 0.2384



15.8166, 0.3258, 0.3238



10.3010, 0.6010, 0.3084



0.8715, 0.5648, 0.2885

Previews

White Background



This preview shows how the Yxy color 19.1436, 0.6048, 0.3105 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 19.1436, 0.6048, 0.3105 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 19.1436, 0.6048, 0.3105

Background



This preview shows how black text looks on a background with the Yxy color 19.1436, 0.6048, 0.3105.



This preview shows how white text looks on a background with the Yxy color 19.1436, 0.6048, 0.3105.

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

19.1436, 0.6048, 0.3105

Protanopia

19.7617, 0.3740, 0.4043

Deuteranopia

19.7325, 0.4517, 0.4449



Tritanopia

19.3355, 0.6310, 0.3330

Trichromacy



Original Color

19.1436, 0.6048, 0.3105

Protanomaly

14.8009, 0.4823, 0.3379

Deuteranomaly

15.5185, 0.5406, 0.3623

Tritanomaly

19.1170, 0.6263, 0.3269

Monochromacy



Original Color

19.1436, 0.6048, 0.3105

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.1267, 0.4620, 0.2950

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1436, 0.6048, 0.3105 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, 0, 54)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 54)  
}
```

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, 0, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 54) }
```

Border

The CSS property to change the border of an element to Yxy 19.1436, 0.6048, 0.3105 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, 0, 54) }
```

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

```
.border{ border-color:rgb(242, 0, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 54);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 54)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.1436, 0.6048, 0.3105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 54) }
```

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

```
.background{ background-color: rgb(242, 0,  
54) }
```

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