

Converting Colors

$Y_{xy}(19.1307, 0.6120, 0.3145)$

Have a look what the booklet for
Yxy(19.1307, 0.6120, 0.3145)
contains.

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Color

Yxy(19.0825, 0.6124, 0.3147)

Conversions

Conversions Part 1

Format	Color
Hex	F2002F
RGB	242, 0, 47
RGB Percent	95%, 0%, 18%
CMY	0.0509, 1.0000, 0.8155
CMYK	0.00, 1.00, 0.81, 0.05
HSL	348°, 100%, 47%
HSV	348°, 100%, 95%
XYZ	37.1342, 19.0825, 4.4204
YIQ	77.7160, 129.1450, 65.9210

Conversions

Conversions Part 2

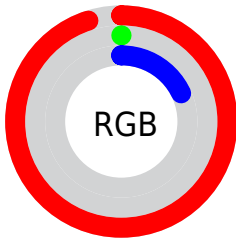
Format	Color
RYB	242, 0, 47
Decimal	15859759
CIELab	50.78, 77.66, 46.41
CIELCh	51, 90.471, 30.859
Yxy	19.0825, 0.6124, 0.3147
Android (android.graphics.Color)	4294049839 (0xFFFF2002F)
YUV	77.7160, -15.1430, 144.0771
Hunter-Lab	43.6835, 75.2918, 24.5788

Details

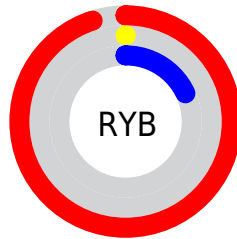
The Yxy color **19.0825, 0.6124, 0.3147** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **67.4476, 0.2426, 0.3933**, and the grayscale version is **7.5745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0736, 0.5180, 0.3296**, and **9.2345, 0.6388, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **19.0844, 0.6124, 0.3147**, and if you desaturate by 10%, it is **19.9401, 0.5841, 0.3069**.

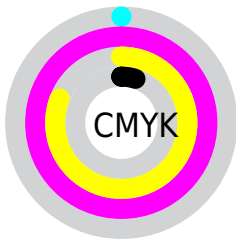
Distribution



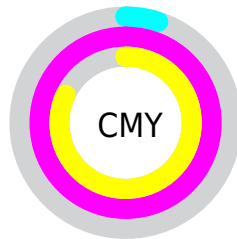
- Red (95%)
- Green (0%)
- Blue (18%)



- Red (95%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (81%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0825, 0.6124, 0.3147 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 19.0825, 0.6124, 0.3147 by changing the saturation by 10% instead.


 19.0825, 0.6124,
0.3147


 19.0825, 0.6124,
0.3147


246.9038, 0.4486,
0.3406


 11.7299, 0.6522,
0.3002


 41.8735, 0.5522,
0.3299

 6.5600, 0.7022,
0.2780


 58.0806, 0.5295,
0.3338


 3.1885, 0.7586,
0.2414

 78.0081, 0.5104,
0.3364

 1.2309, 0.8165,
0.1835

 102.0402, 0.4942,
0.3381

 0.0867, 0.9673,
0.0327

 130.5615, 0.4803,
0.3392

 0.0000, 1.0000,
0.0000

 163.9563, 0.4683,

 0.0000, 0.0000,

0.3399

0.0000

202.6089, 0.4578,
0.3403

■ 19.0825, 0.6124,
0.3147

■ 19.0825, 0.6124,
0.3147

■ 19.0844, 0.6124,
0.3147

■ 19.9401, 0.5841,
0.3069

■ 21.6982, 0.5469,
0.3014

■ 24.6227, 0.5052,
0.2994

■ 28.8733, 0.4639,
0.3005

■ 34.5843, 0.4264,
0.3038

■ 41.8735, 0.3940,
0.3085

■ 50.8465, 0.3670,
0.3137

■ 61.6001, 0.3449,
0.3190

■ 74.2233, 0.3271,
0.3242

Harmonies

Analogous

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



19.0825, 0.5127, 0.2376



19.0825, 0.6124, 0.3147



19.0825, 0.5856, 0.4019

Triad

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



19.0825, 0.6124, 0.3147



19.0825, 0.2242, 0.6176



19.0825, 0.1181, 0.1225

Complementary

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



19.0825, 0.6124, 0.3147



67.4476, 0.2426, 0.3933

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.



19.0825, 0.0849, 0.1471



19.0825, 0.6124, 0.3147



19.0825, 0.1259, 0.4108

Square

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



19.0825, 0.6124, 0.3147



19.0825, 0.3512, 0.6261



19.0825, 0.0845, 0.2285



19.0825, 0.1958, 0.1316

Rectangle

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



19.0825, 0.6124, 0.3147



19.0825, 0.5238, 0.4762



19.0825, 0.0845, 0.2285



19.0825, 0.1030, 0.1264

Sweetspot

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



19.0844, 0.6124, 0.3147



57.1670, 0.3672, 0.3136



17.8287, 0.2699, 0.1260



11.2721, 0.3780, 0.3114



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.



19.0844, 0.6124, 0.3147



21.4866, 0.6129, 0.3150



23.5918, 0.5990, 0.3626



15.8091, 0.3263, 0.3244



10.2665, 0.6088, 0.3128



0.8676, 0.5739, 0.2935

Inverse Universe

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



19.0844, 0.6124, 0.3147



21.4866, 0.6129, 0.3150



34.9385, 0.1962, 0.2263



15.8091, 0.3263, 0.3244



10.2665, 0.6088, 0.3128



0.8676, 0.5739, 0.2935

Previews

White Background



This preview shows how the Yxy color 19.0825, 0.6124, 0.3147 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 19.0825, 0.6124, 0.3147 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 19.0825, 0.6124, 0.3147

Background



This preview shows how black text looks on a background with the Yxy color 19.0825, 0.6124, 0.3147.



This preview shows how white text looks on a background with the Yxy color 19.0825, 0.6124, 0.3147.

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

19.0825, 0.6124, 0.3147

Protanopia

19.7153, 0.3856, 0.4196

Deuteranopia

19.4446, 0.4597, 0.4518



Tritanopia

19.2371, 0.6348, 0.3342

Trichromacy



Original Color

19.0825, 0.6124, 0.3147

Protanomaly

14.7032, 0.4952, 0.3486

Deuteranomaly

15.4580, 0.5500, 0.3696

Tritanomaly

19.0291, 0.6315, 0.3291

Monochromacy



Original Color

19.0825, 0.6124, 0.3147

Achromatopsia

7.6185, 0.3127, 0.3290

Achromatomaly

8.0897, 0.4692, 0.3004

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0825, 0.6124, 0.3147 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, 47)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 47)  
}
```

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, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 47) }
```

Border

The CSS property to change the border of an element to Yxy 19.0825, 0.6124, 0.3147 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, 47) }
```

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

```
.border{ border-color:rgb(242, 0, 47) }
```

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, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 47);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.0825, 0.6124, 0.3147 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, 47) }
```

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

```
.background{ background-color: rgb(242, 0,  
47) }
```

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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