

Converting Colors

$Y_{xy}(19.0006, 0.6291, 0.3239)$

Have a look what the booklet for
Yxy(19.0006, 0.6291, 0.3239)
contains.

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Color

Yxy(18.9564, 0.6290, 0.3239)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F2001B |
| RGB | 242, 0, 27 |
| RGB Percent | 95%, 0%, 11% |
| CMY | 0.0510, 0.9993, 0.8941 |
| CMYK | 0.00, 1.00, 0.89, 0.05 |
| HSL | 353°, 100%, 47% |
| HSV | 353°, 100%, 95% |
| XYZ | 36.8125, 18.9564, 2.7565 |
| YIQ | 75.4360, 135.5650, 59.7010 |

Conversions

Conversions Part 2

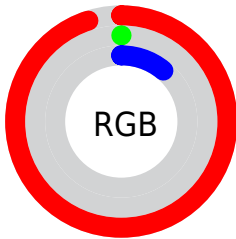
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 242, 0, 27 |
| Decimal | 15859739 |
| CIELab | 50.64, 77.24, 56.16 |
| CIELCh | 51, 95.501, 36.022 |
| Yxy | 18.9564, 0.6290, 0.3239 |
| Android (android.graphics.Color) | 4294049819 (0xFFFF2001B) |
| YUV | 75.4360, -23.8789, 146.0766 |
| Hunter-Lab | 43.5389, 74.7300, 26.7235 |

Details

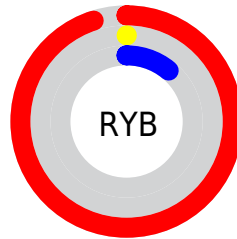
The Yxy color **18.9564, 0.6290, 0.3239** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **68.4104, 0.2346, 0.3644**, and the grayscale version is **7.1633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7734, 0.5394, 0.3452**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9532, 0.6291, 0.3239**, and if you desaturate by 10%, it is **19.7611, 0.6052, 0.3190**.

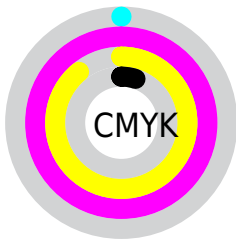
Distribution



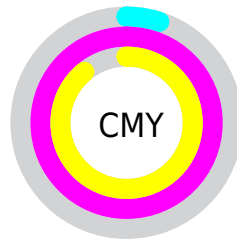
- Red (95%)
- Green (0%)
- Blue (11%)



- Red (95%)
- Yellow (0%)
- Blue (11%)



- Cyan (0%)
- Magenta (100%)
- Yellow (89%)
- Black (5%)



- Cyan (5%)
- Magenta (100%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9564, 0.6290, 0.3239 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 18.9564, 0.6290, 0.3239 by changing the saturation by 10% instead.


 18.9564, 0.6290,
0.3239


 18.9564, 0.6290,
0.3239


246.2080, 0.4605,
0.3501


 11.6388, 0.6668,
0.3075


 41.6604, 0.5692,
0.3407

 6.4982, 0.7160,
0.2840


 57.8156, 0.5459,
0.3448


 3.1503, 0.7584,
0.2416

 77.6854, 0.5260,
0.3473

 1.2107, 0.8165,
0.1835

 101.6543, 0.5090,
0.3488

 0.0704, 0.9727,
0.0273

 130.1066, 0.4943,
0.3497


 0.0000, 1.0000,
0.0000


 163.4267, 0.4816,

 0.0000, 0.0000,


0.3501


0.0000


 201.9990, 0.4704,
0.3502

 18.9564, 0.6290,
0.3239


 18.9564, 0.6290,
0.3239

 18.9532, 0.6291,
0.3239

 19.7611, 0.6052,
0.3190

 21.4780, 0.5691,
0.3150

 24.3740, 0.5253,
0.3131

 28.6112, 0.4803,
0.3133

 34.3265, 0.4386,
0.3149

■ 41.6395, 0.4025,
0.3174

■ 50.6578, 0.3725,
0.3203

■ 61.4797, 0.3480,
0.3234

■ 74.1958, 0.3284,
0.3263

Harmonies

Analogous

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



18.9564, 0.5506, 0.2458



18.9564, 0.6290, 0.3239



18.9564, 0.5816, 0.4184

Triad

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



18.9564, 0.6290, 0.3239



18.9564, 0.1959, 0.6109



18.9564, 0.1212, 0.1151

Complementary

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



18.9564, 0.6290, 0.3239



68.4104, 0.2346, 0.3644

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.



18.9564, 0.0815, 0.1325



18.9564, 0.6290, 0.3239



18.9564, 0.1062, 0.3725

Square

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



18.9564, 0.6290, 0.3239



18.9564, 0.3230, 0.6528



18.9564, 0.0748, 0.2014



18.9564, 0.2105, 0.1296

Rectangle

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



18.9564, 0.6290, 0.3239



18.9564, 0.5044, 0.4956



18.9564, 0.0748, 0.2014



18.9564, 0.1036, 0.1169

Sweetspot

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



18.9576, 0.6290, 0.3239



56.8877, 0.3729, 0.3203



20.6758, 0.2912, 0.1378



11.2081, 0.3849, 0.3190



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.



18.9576, 0.6290, 0.3239



21.3453, 0.6295, 0.3241



26.6803, 0.5770, 0.3800



15.7874, 0.3276, 0.3264



10.1929, 0.6267, 0.3226



0.8573, 0.6000, 0.3079

Inverse Universe

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



18.9576, 0.6290, 0.3239



21.3453, 0.6295, 0.3241



27.9977, 0.1878, 0.1961



15.7874, 0.3276, 0.3264



10.1929, 0.6267, 0.3226



0.8573, 0.6000, 0.3079

Previews

White Background



This preview shows how the Yxy color 18.9564, 0.6290, 0.3239 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 18.9564, 0.6290, 0.3239 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 18.9564, 0.6290, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 18.9564, 0.6290, 0.3239.



This preview shows how white text looks on a background with the Yxy color 18.9564, 0.6290, 0.3239.

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

18.9564, 0.6290, 0.3239

Protanopia

19.3667, 0.4141, 0.4544

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.0991, 0.6344, 0.3345

Trichromacy



Original Color

18.9564, 0.6290, 0.3239



Protanomaly

14.7159, 0.5295, 0.3749



Deuteranomaly

15.3586, 0.5665, 0.3824



Tritanomaly

19.0368, 0.6339, 0.3307

Monochromacy



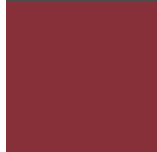
Original Color

18.9564, 0.6290, 0.3239



Achromatopsia

7.2272, 0.3127, 0.3290



Achromatomaly

7.6536, 0.4892, 0.3127

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9564, 0.6290, 0.3239 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, 27)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 27)  
}
```

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, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 27) }
```

Border

The CSS property to change the border of an element to Yxy 18.9564, 0.6290, 0.3239 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, 27) }
```

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

```
.border{ border-color:rgb(242, 0, 27) }
```

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, 27) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 27);  
box-shadow:4px 4px 4px 4px rgb(242, 0, 27)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.9564, 0.6290, 0.3239 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, 27) }
```

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

```
.background{ background-color: rgb(242, 0,  
27) }
```

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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