

Converting Colors

$Y_{xy}(19.4740, 0.6269, 0.3227)$

Have a look what the booklet for
Yxy(19.4740, 0.6269, 0.3227)
contains.

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Color

Yxy(19.5114, 0.6267, 0.3226)

Conversions

Conversions Part 1

Format	Color
Hex	F5001F
RGB	245, 0, 31
RGB Percent	96%, 0%, 12%
CMY	0.0392, 0.9998, 0.8783
CMYK	0.00, 1.00, 0.87, 0.04
HSL	352°, 100%, 48%
HSV	352°, 100%, 96%
XYZ	37.9039, 19.5114, 3.0664
YIQ	76.7890, 136.0690, 61.5810

Conversions

Conversions Part 2

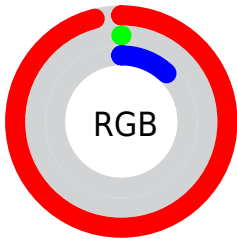
Format	Color
RYB	245, 0, 31
Decimal	16056351
CIELab	51.28, 78.03, 55.15
CIELCh	51, 95.553, 35.252
Yxy	19.5114, 0.6267, 0.3226
Android (android.graphics.Color)	4294246431 (0xFFFF5001F)
YUV	76.7890, -22.5740, 147.5210
Hunter-Lab	44.1717, 75.8709, 26.8043

Details

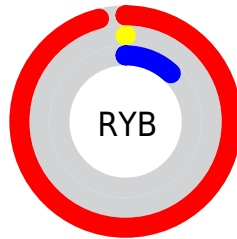
The Yxy color **19.5114, 0.6267, 0.3226** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **70.1614, 0.2360, 0.3697**, and the grayscale version is **7.4106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.0089, 0.5343, 0.3430**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.5112, 0.6267, 0.3226**, and if you desaturate by 10%, it is **20.3406, 0.6020, 0.3171**.

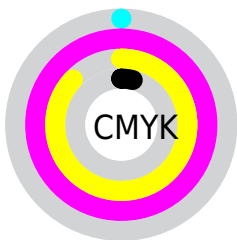
Distribution



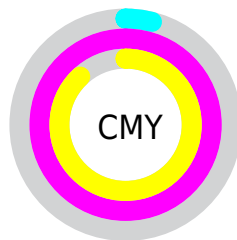
- Red (96%)
- Green (0%)
- Blue (12%)



- Red (96%)
- Yellow (0%)
- Blue (12%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5114, 0.6267, 0.3226 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 19.5114, 0.6267, 0.3226 by changing the saturation by 10% instead.

 19.5114, 0.6267,
0.3226


 19.5114, 0.6267,
0.3226


249.2576, 0.4595,
0.3486


 12.0404, 0.6645,
0.3067


 42.5965, 0.5672,
0.3390


 6.7712, 0.7154,
0.2846


 58.9793, 0.5440,
0.3430


 3.3194, 0.7571,
0.2429

 79.1016, 0.5244,
0.3456

 1.3007, 0.8140,
0.1860

 103.3476, 0.5075,
0.3471

 0.1417, 0.9501,
0.0499

 132.1018, 0.4930,
0.3480


 0.0000, 1.0000,
0.0000


 165.7487, 0.4803,


 0.0000, 0.0000,


0.3485

0.0000


 204.6725, 0.4692,
0.3487


 19.5114, 0.6267,
0.3226


 19.5114, 0.6267,
0.3226


 19.5112, 0.6267,
0.3226

 20.3406, 0.6020,
0.3171

 22.1057, 0.5656,
0.3127

 25.0812, 0.5221,
0.3107

 29.4338, 0.4777,
0.3109

 35.3041, 0.4366,
0.3128

■ 42.8153, 0.4011,
0.3157

■ 52.0778, 0.3716,
0.3191

■ 63.1926, 0.3476,
0.3225

■ 76.2529, 0.3282,
0.3259

Harmonies

Analogous

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



19.5114, 0.5448, 0.2447



19.5114, 0.6267, 0.3226



19.5114, 0.5820, 0.4156

Triad

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



19.5114, 0.6267, 0.3226



19.5114, 0.2003, 0.6123



19.5114, 0.1207, 0.1162

Complementary

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



19.5114, 0.6267, 0.3226



70.1614, 0.2360, 0.3697

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.



19.5114, 0.0820, 0.1347



19.5114, 0.6267, 0.3226



19.5114, 0.1091, 0.3784

Square

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



19.5114, 0.6267, 0.3226



19.5114, 0.3274, 0.6485



19.5114, 0.0762, 0.2054



19.5114, 0.2082, 0.1299

Rectangle

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



19.5114, 0.6267, 0.3226



19.5114, 0.5075, 0.4925



19.5114, 0.0762, 0.2054



19.5114, 0.1035, 0.1184

Sweetspot

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



19.5127, 0.6267, 0.3226



56.9384, 0.3718, 0.3191



20.6414, 0.2869, 0.1354



11.2197, 0.3836, 0.3176



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.



19.5127, 0.6267, 0.3226



21.3656, 0.6270, 0.3228



26.7026, 0.5819, 0.3762



16.5166, 0.3274, 0.3260



10.5219, 0.6241, 0.3212



0.9354, 0.5966, 0.3060

Inverse Universe

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



19.5127, 0.6267, 0.3226



21.3656, 0.6270, 0.3228



30.0977, 0.1894, 0.2019



16.5166, 0.3274, 0.3260



10.5219, 0.6241, 0.3212



0.9354, 0.5966, 0.3060

Previews

White Background



This preview shows how the Yxy color 19.5114, 0.6267, 0.3226 looks on a white background.

Color Contrast Check

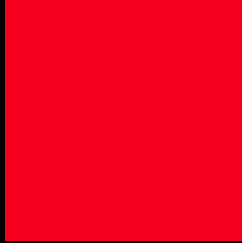
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.5114, 0.6267, 0.3226 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 19.5114, 0.6267, 0.3226

Background



This preview shows how black text looks on a background with the Yxy color 19.5114, 0.6267, 0.3226.



This preview shows how white text looks on a background with the Yxy color 19.5114, 0.6267, 0.3226.

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

19.5114, 0.6267, 0.3226

Protanopia

20.0756, 0.4102, 0.4493

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.8069, 0.6346, 0.3343

Trichromacy



Original Color

19.5114, 0.6267, 0.3226



Protanomaly

15.1285, 0.5245, 0.3708



Deuteranomaly

15.6131, 0.5675, 0.3811



Tritanomaly

19.5713, 0.6337, 0.3305

Monochromacy



Original Color

19.5114, 0.6267, 0.3226



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.9261, 0.4866, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5114, 0.6267, 0.3226 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(245, 0, 31)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 31)  
}
```

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(245, 0, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 31) }
```

Border

The CSS property to change the border of an element to Yxy 19.5114, 0.6267, 0.3226 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(245, 0, 31) }
```

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

```
.border{ border-color:rgb(245, 0, 31) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 31);  
box-shadow:4px 4px 4px 4px rgb(245, 0, 31)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.5114, 0.6267, 0.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 31) }
```

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

```
.background{ background-color: rgb(245, 0,  
31) }
```

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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