

Converting Colors

$Y_{xy}(19.8431, 0.6324, 0.3360)$

Have a look what the booklet for
Yxy(19.8431, 0.6324, 0.3360)
contains.

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Color

Yxy(19.8386, 0.6326, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	F31B00
RGB	243, 27, 0
RGB Percent	95%, 11%, 0%
CMY	0.0469, 0.8945, 0.9999
CMYK	0.00, 0.89, 1.00, 0.05
HSL	7°, 100%, 48%
HSV	7°, 100%, 95%
XYZ	37.3620, 19.8386, 1.8604
YIQ	88.5060, 137.4030, 37.3950

Conversions

Conversions Part 2

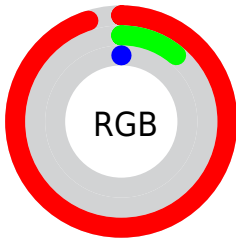
Format	Color
RYB	243, 30, 0
Decimal	15932160
CIELab	51.65, 74.66, 65.13
CIELCh	52, 99.075, 41.103
Yxy	19.8386, 0.6326, 0.3359
Android (android.graphics.Color)	4294122240 (0xFFFF31B00)
YUV	88.5060, -43.6335, 135.4912
Hunter-Lab	44.5405, 71.7855, 28.7019

Details

The Yxy color **19.8386, 0.6326, 0.3359** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **55.6525, 0.2148, 0.2932**, and the grayscale version is **9.9408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8728, 0.5487, 0.3631**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8392, 0.6326, 0.3359**, and if you desaturate by 10%, it is **21.2844, 0.6117, 0.3407**.

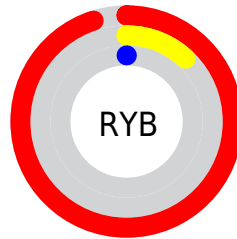
Distribution



Red (95%)

Green (11%)

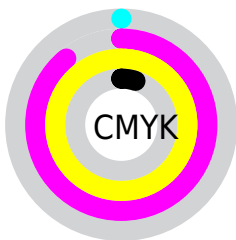
Blue (0%)



Red (95%)

Yellow (12%)

Blue (0%)

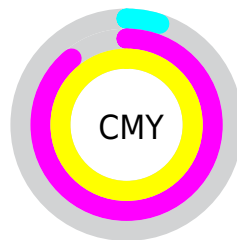


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (89%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8386, 0.6326, 0.3359 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 19.8386, 0.6326, 0.3359 by changing the saturation by 10% instead.


 19.8386, 0.6326,
0.3359


 19.8386, 0.6326,
0.3359


 251.0400, 0.4677,
0.3600


 12.2778, 0.6682,
0.3197


 43.1464, 0.5762,
0.3530


 6.9331, 0.7067,
0.2933


 59.6622, 0.5536,
0.3569

 3.4203, 0.7473,
0.2527

 79.9318, 0.5340,
0.3591

 1.3549, 0.8035,
0.1965

 104.3395, 0.5170,
0.3603

 0.1831, 0.9343,
0.0657

 133.2698, 0.5022,
0.3607


 0.0000, 1.0000,
0.0000


 167.1071, 0.4892,


 0.0000, 0.0000,

0.3607


0.0000

 206.2357, 0.4778,
0.3604


 19.8386, 0.6326,
0.3359


 19.8386, 0.6326,
0.3359

 19.8392, 0.6326,
0.3359

 21.2844, 0.6117,
0.3407

 23.6762, 0.5778,
0.3445

 27.1513, 0.5351,
0.3461

 31.8191, 0.4899,
0.3457

 37.7752, 0.4471,
0.3439

■ 45.1058, 0.4094,
0.3411

■ 53.8894, 0.3776,
0.3380

■ 64.1986, 0.3514,
0.3349

■ 76.1011, 0.3301,
0.3318

Harmonies

Analogous

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



19.8386, 0.5792, 0.2570



19.8386, 0.6326, 0.3359



19.8386, 0.5652, 0.4348

Triad

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



19.8386, 0.6326, 0.3359



19.8386, 0.1735, 0.5842



19.8386, 0.1297, 0.1129

Complementary

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



19.8386, 0.6326, 0.3359



55.6525, 0.2148, 0.2932

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.



19.8386, 0.0831, 0.1241



19.8386, 0.6326, 0.3359



19.8386, 0.0940, 0.3337

Square

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



19.8386, 0.6326, 0.3359



19.8386, 0.2976, 0.6684



19.8386, 0.0710, 0.1814



19.8386, 0.2307, 0.1326

Rectangle

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



19.8386, 0.6326, 0.3359



19.8386, 0.4824, 0.5176



19.8386, 0.0710, 0.1814



19.8386, 0.1095, 0.1129

Sweetspot

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



19.8399, 0.6326, 0.3359



60.0212, 0.3779, 0.3381



24.1605, 0.3483, 0.1692



11.9184, 0.3906, 0.3394



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.



19.8399, 0.6326, 0.3359



22.1012, 0.6328, 0.3357



39.5635, 0.5137, 0.4303



16.7777, 0.3291, 0.3317



10.9798, 0.6310, 0.3372



1.0601, 0.6136, 0.3510

Inverse Universe

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



55.6525, 0.2148, 0.2932



62.0357, 0.2147, 0.2931



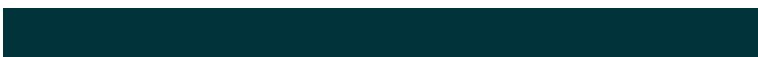
15.0632, 0.1676, 0.1233



18.4261, 0.2981, 0.3263



30.6594, 0.2149, 0.2938



2.7823, 0.2163, 0.2986

Previews

White Background



This preview shows how the Yxy color 19.8386, 0.6326, 0.3359 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 19.8386, 0.6326, 0.3359 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 19.8386, 0.6326, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 19.8386, 0.6326, 0.3359.



This preview shows how white text looks on a background with the Yxy color 19.8386, 0.6326, 0.3359.

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

19.8386, 0.6326, 0.3359

Protanopia

20.0032, 0.4279, 0.4728

Deuteranopia

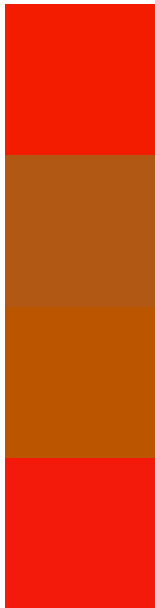
20.0248, 0.4693, 0.4655



Tritanopia

19.8371, 0.6271, 0.3322

Trichromacy



Original Color

19.8386, 0.6326, 0.3359

Protanomaly

16.5424, 0.5314, 0.4027

Deuteranomaly

17.1884, 0.5549, 0.3976

Tritanomaly

19.8176, 0.6297, 0.3337

Monochromacy



Original Color

19.8386, 0.6326, 0.3359

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

10.1112, 0.4847, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8386, 0.6326, 0.3359 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(243, 27, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 27, 0)  
}
```

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(243, 27, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 27, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.8386, 0.6326, 0.3359 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(243, 27, 0) }
```

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

```
.border{ border-color:rgb(243, 27, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 27, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 27, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 27, 0);  
box-shadow:4px 4px 4px 4px rgb(243, 27, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8386, 0.6326, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 27, 0) }
```

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

```
.background{ background-color: rgb(243, 27,  
0) }
```

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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