

Converting Colors

$Y_{xy}(18.5249, 0.6350, 0.3340)$

Have a look what the booklet for
Yxy(18.5249, 0.6350, 0.3340)
contains.

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Color

Yxy(18.5048, 0.6350, 0.3340)

Conversions

Conversions Part 1

Format	Color
Hex	ED1400
RGB	237, 20, 0
RGB Percent	93%, 8%, 0%
CMY	0.0705, 0.9219, 1.0000
CMYK	0.00, 0.92, 1.00, 0.07
HSL	5°, 100%, 46%
HSV	5°, 100%, 93%
XYZ	35.1813, 18.5048, 1.7175
YIQ	82.6030, 135.7520, 39.7840

Conversions

Conversions Part 2

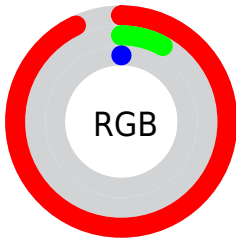
Format	Color
RYB	237, 22, 0
Decimal	15537152
CIELab	50.10, 74.07, 63.81
CIElCh	50, 97.770, 40.743
Yxy	18.5048, 0.6350, 0.3340
Android (android.graphics.Color)	4293727232 (0xFFED1400)
YUV	82.6030, -40.7233, 135.4062
Hunter-Lab	43.0172, 70.7047, 27.7448

Details

The Yxy color **18.5048, 0.6350, 0.3340** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **55.7972, 0.2172, 0.3021**, and the grayscale version is **8.6197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1048, 0.5533, 0.3601**, and **8.5460, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5060, 0.6350, 0.3340**, and if you desaturate by 10%, it is **19.7030, 0.6152, 0.3375**.

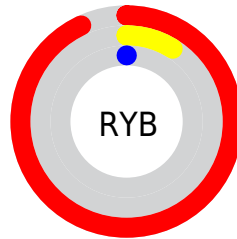
Distribution



Red (93%)

Green (8%)

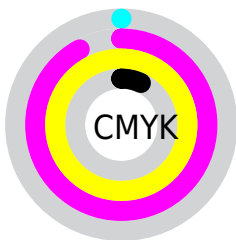
Blue (0%)



Red (93%)

Yellow (9%)

Blue (0%)

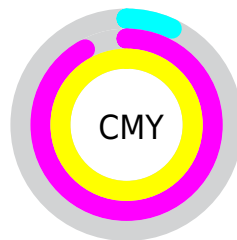


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (92%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5048, 0.6350, 0.3340 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 18.5048, 0.6350, 0.3340 by changing the saturation by 10% instead.


 18.5048, 0.6350,
0.3340


 18.5048, 0.6350,
0.3340


 243.7012, 0.4671,
0.3592

 11.3130, 0.6723,
0.3173


 40.8956, 0.5772,
0.3518


 6.2778, 0.7109,
0.2891


 56.8635, 0.5541,
0.3559

 3.0147, 0.7535,
0.2465

 76.5254, 0.5341,
0.3582

 1.1394, 0.8126,
0.1874

 100.2659, 0.5169,
0.3594

 0.0114, 0.9950,
0.0050

 128.4694, 0.5019,
0.3599


 0.0000, 1.0000,
0.0000

 161.5201, 0.4888,

 0.0000, 0.0000,


0.3600


0.0000

 199.8026, 0.4773,
0.3597

 18.5048, 0.6350,
0.3340


 18.5048, 0.6350,
0.3340

 18.5060, 0.6350,
0.3340

 19.7030, 0.6152,
0.3375

 21.8097, 0.5817,
0.3406

 24.9697, 0.5386,
0.3419

 29.2968, 0.4925,
0.3417

 34.8902, 0.4489,
0.3403

■ 41.8387, 0.4105,
0.3383

■ 50.2228, 0.3782,
0.3359

■ 60.1168, 0.3516,
0.3335

■ 71.5899, 0.3301,
0.3312

Harmonies

Analogous

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



18.5048, 0.5800, 0.2552



18.5048, 0.6350, 0.3340



18.5048, 0.5673, 0.4327

Triad

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



18.5048, 0.6350, 0.3340



18.5048, 0.1733, 0.5899



18.5048, 0.1278, 0.1116

Complementary

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



18.5048, 0.6350, 0.3340



55.7972, 0.2172, 0.3021

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.



18.5048, 0.0817, 0.1232



18.5048, 0.6350, 0.3340



18.5048, 0.0930, 0.3360

Square

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



18.5048, 0.6350, 0.3340



18.5048, 0.2980, 0.6708



18.5048, 0.0698, 0.1812



18.5048, 0.2283, 0.1310

Rectangle

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



18.5048, 0.6350, 0.3340



18.5048, 0.4840, 0.5160



18.5048, 0.0698, 0.1812



18.5048, 0.1077, 0.1118

Sweetspot

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



18.5060, 0.6350, 0.3340



59.1622, 0.3785, 0.3359



23.0325, 0.3434, 0.1665



11.7228, 0.3915, 0.3370



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.



18.5060, 0.6350, 0.3340



21.8121, 0.6353, 0.3338



36.2615, 0.5184, 0.4266



15.2574, 0.3291, 0.3310



10.1775, 0.6336, 0.3351



0.8696, 0.6179, 0.3475

Inverse Universe

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



55.7972, 0.2172, 0.3021



65.8232, 0.2172, 0.3020



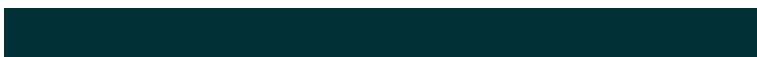
14.9942, 0.1690, 0.1285



16.8927, 0.2981, 0.3270



30.5516, 0.2174, 0.3025



2.4630, 0.2185, 0.3065

Previews

White Background



This preview shows how the Yxy color 18.5048, 0.6350, 0.3340 looks on a white background.

Color Contrast Check

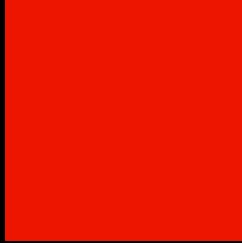
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5048, 0.6350, 0.3340 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 18.5048, 0.6350, 0.3340

Background



This preview shows how black text looks on a background with the Yxy color 18.5048, 0.6350, 0.3340.



This preview shows how white text looks on a background with the Yxy color 18.5048, 0.6350, 0.3340.

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

18.5048, 0.6350, 0.3340

Protanopia

18.9194, 0.4270, 0.4734

Deuteranopia

18.7100, 0.4708, 0.4644



Tritanopia

18.5409, 0.6346, 0.3343

Trichromacy



Original Color

18.5048, 0.6350, 0.3340

Protanomaly

15.1583, 0.5352, 0.3996

Deuteranomaly

15.8046, 0.5589, 0.3944

Tritanomaly

18.5409, 0.6346, 0.3343

Monochromacy



Original Color

18.5048, 0.6350, 0.3340

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.9777, 0.4906, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5048, 0.6350, 0.3340 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(237, 20, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 20, 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(237, 20, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 20, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.5048, 0.6350, 0.3340 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(237, 20, 0) }
```

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

```
.border{ border-color:rgb(237, 20, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 20, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 20, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 20, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 20, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.5048, 0.6350, 0.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 20, 0) }
```

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

```
.background{ background-color: rgb(237, 20,  
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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