

Converting Colors

$Yxy(18.5039, 0.6352, 0.3338)$

Have a look what the booklet for
Yxy(18.5039, 0.6352, 0.3338)
contains.

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Color

Yxy(18.4703, 0.6353, 0.3338)

Conversions

Conversions Part 1

Format	Color
Hex	ED1300
RGB	237, 19, 0
RGB Percent	93%, 7%, 0%
CMY	0.0707, 0.9250, 1.0000
CMYK	0.00, 0.92, 1.00, 0.07
HSL	5°, 100%, 46%
HSV	5°, 100%, 93%
XYZ	35.1533, 18.4703, 1.7098
YIQ	82.0160, 136.0270, 40.3070

Conversions

Conversions Part 2

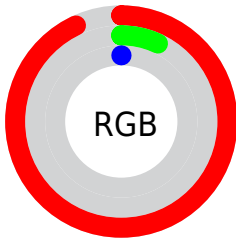
Format	Color
RYB	237, 21, 0
Decimal	15536896
CIELab	50.06, 74.16, 63.82
CIElCh	50, 97.835, 40.714
Yxy	18.4703, 0.6353, 0.3338
Android (android.graphics.Color)	4293726976 (0xFFED1300)
YUV	82.0160, -40.4339, 135.9210
Hunter-Lab	42.9771, 70.7951, 27.7252

Details

The Yxy color **18.4703, 0.6353, 0.3338** 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 **56.1784, 0.2175, 0.3031**, and the grayscale version is **8.5185, 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 **18.4717, 0.6353, 0.3338**, and if you desaturate by 10%, it is **19.6463, 0.6156, 0.3372**.

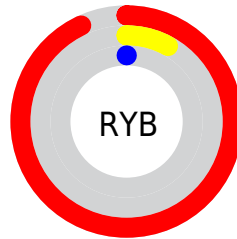
Distribution



Red (93%)

Green (7%)

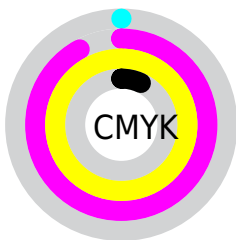
Blue (0%)



Red (93%)

Yellow (8%)

Blue (0%)

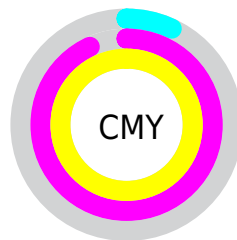


Cyan (0%)

Magenta (92%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (93%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.4703, 0.6353, 0.3338 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 18.4703, 0.6353, 0.3338 by changing the saturation by 10% instead.


 18.4703, 0.6353,
0.3338


 18.4703, 0.6353,
0.3338


 243.5087, 0.4672,
0.3592


 11.2882, 0.6726,
0.3171


 40.8371, 0.5774,
0.3517


 6.2610, 0.7112,
0.2888


 56.7905, 0.5543,
0.3558

 3.0044, 0.7539,
0.2461

 76.4365, 0.5343,
0.3581

 1.1340, 0.8130,
0.1870

 100.1595, 0.5170,
0.3593

 0.0068, 0.9970,
0.0030

 128.3438, 0.5020,
0.3599

 0.0000, 1.0000,
0.0000

 161.3738, 0.4889,


 0.0000, 0.0000,


0.3599


0.0000


 199.6340, 0.4774,
0.3596


 18.4703, 0.6353,
0.3338


 18.4703, 0.6353,
0.3338

 18.4717, 0.6353,
0.3338

 19.6463, 0.6156,
0.3372

 21.7320, 0.5822,
0.3401

 24.8741, 0.5390,
0.3414

 29.1882, 0.4929,
0.3412

 34.7744, 0.4491,
0.3399

■ 41.7225, 0.4106,
0.3379

■ 50.1138, 0.3782,
0.3356

■ 60.0235, 0.3517,
0.3333

■ 71.5213, 0.3301,
0.3311

Harmonies

Analogous

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



18.4703, 0.5802, 0.2551



18.4703, 0.6353, 0.3338



18.4703, 0.5675, 0.4325

Triad

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



18.4703, 0.6353, 0.3338



18.4703, 0.1732, 0.5905



18.4703, 0.1276, 0.1115

Complementary

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



18.4703, 0.6353, 0.3338



56.1784, 0.2175, 0.3031

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.



18.4703, 0.0815, 0.1230



18.4703, 0.6353, 0.3338



18.4703, 0.0929, 0.3362

Square

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



18.4703, 0.6353, 0.3338



18.4703, 0.2980, 0.6712



18.4703, 0.0696, 0.1811



18.4703, 0.2281, 0.1308

Rectangle

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



18.4703, 0.6353, 0.3338



18.4703, 0.4841, 0.5159



18.4703, 0.0696, 0.1811



18.4703, 0.1075, 0.1116

Sweetspot

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



18.4717, 0.6353, 0.3338



59.0570, 0.3786, 0.3357



23.2317, 0.3387, 0.1639



11.6989, 0.3916, 0.3367



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.



18.4717, 0.6353, 0.3338



21.7813, 0.6355, 0.3336



35.1319, 0.5232, 0.4227



15.2494, 0.3291, 0.3310



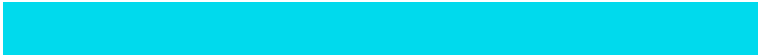
10.1607, 0.6339, 0.3349



0.8657, 0.6188, 0.3469

Inverse Universe

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



56.1784, 0.2175, 0.3031



66.3012, 0.2175, 0.3030



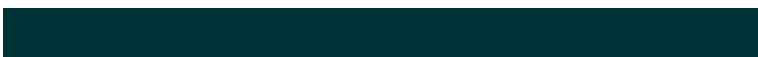
15.7528, 0.1704, 0.1336



16.9016, 0.2981, 0.3270



30.7685, 0.2177, 0.3036



2.4778, 0.2187, 0.3074

Previews

White Background



This preview shows how the Yxy color 18.4703, 0.6353, 0.3338 looks on a white background.

Color Contrast Check

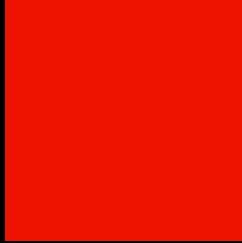
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.4703, 0.6353, 0.3338 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 18.4703, 0.6353, 0.3338

Background



This preview shows how black text looks on a background with the Yxy color 18.4703, 0.6353, 0.3338.



This preview shows how white text looks on a background with the Yxy color 18.4703, 0.6353, 0.3338.

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

18.4703, 0.6353, 0.3338

Protanopia

18.6776, 0.4283, 0.4721

Tritanopia

18.5409, 0.6346, 0.3343

Trichromacy



Original Color

18.4703, 0.6353, 0.3338

Protanomaly

15.0042, 0.5368, 0.3983

Tritanomaly

18.5048, 0.6350, 0.3340

Monochromacy



Original Color

18.4703, 0.6353, 0.3338

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.7791, 0.4924, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.4703, 0.6353, 0.3338 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, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 19, 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, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 19, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.4703, 0.6353, 0.3338 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, 19, 0) }
```

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

```
.border{ border-color:rgb(237, 19, 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, 19, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 19, 0)  
}
```

Background

The CSS property to change the background color of an element to Yxy 18.4703, 0.6353, 0.3338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 19, 0) }
```

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

```
.background{ background-color: rgb(237, 19,  
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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