

Converting Colors

$Yxy(18.7642, 0.6371, 0.3323)$

Have a look what the booklet for
Yxy(18.7642, 0.6371, 0.3323)
contains.

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Color

Yxy(18.8131, 0.6372, 0.3323)

Conversions

Conversions Part 1

Format	Color
Hex	F00D00
RGB	240, 13, 0
RGB Percent	94%, 5%, 0%
CMY	0.0589, 0.9484, 1.0000
CMYK	0.00, 0.95, 1.00, 0.06
HSL	3°, 100%, 47%
HSV	3°, 100%, 94%
XYZ	36.0750, 18.8131, 1.7268
YIQ	79.3910, 139.4650, 44.0810

Conversions

Conversions Part 2

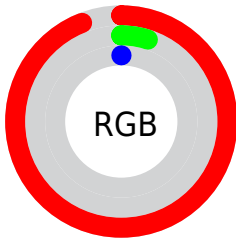
Format	Color
RYB	240, 14, 0
Decimal	15731968
CIELab	50.47, 75.52, 64.35
CIELCh	50, 99.215, 40.437
Yxy	18.8131, 0.6372, 0.3323
Android (android.graphics.Color)	4293922048 (0xFFFF00D00)
YUV	79.3910, -39.1398, 140.8541
Hunter-Lab	43.3741, 72.5569, 28.0015

Details

The Yxy color **18.8131, 0.6372, 0.3323** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **61.1321, 0.2199, 0.3115**, and the grayscale version is **7.9730, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9211, 0.5542, 0.3592**, and **8.8842, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.8146, 0.6372, 0.3323**, and if you desaturate by 10%, it is **19.8408, 0.6190, 0.3345**.

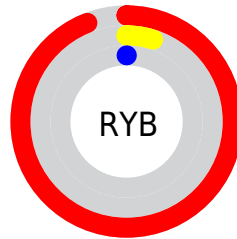
Distribution



Red (94%)

Green (5%)

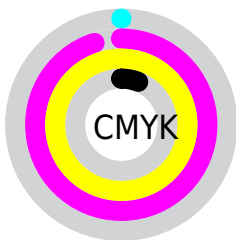
Blue (0%)



Red (94%)

Yellow (5%)

Blue (0%)

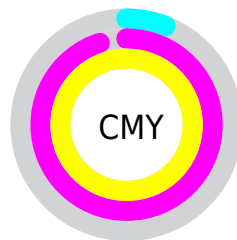


Cyan (0%)

Magenta (95%)

Yellow (100%)

Black (6%)



Cyan (6%)


Magenta (95%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8131, 0.6372, 0.3323 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 18.8131, 0.6372, 0.3323 by changing the saturation by 10% instead.


 18.8131, 0.6372,
0.3323


 18.8131, 0.6372,
0.3323


 245.4150, 0.4688,
0.3587


 11.5353, 0.6743,
0.3154


 41.4180, 0.5794,
0.3505

 6.4281, 0.7128,
0.2872


 57.5140, 0.5562,
0.3547

 3.1071, 0.7551,
0.2449

 77.3181, 0.5362,
0.3572

 1.1879, 0.8135,
0.1865

 101.2148, 0.5189,
0.3586

 0.0518, 0.9788,
0.0212

 129.5884, 0.5038,
0.3592


 0.0000, 1.0000,
0.0000


 162.8234, 0.4907,


 0.0000, 0.0000,


0.3593


0.0000


 201.3041, 0.4791,
0.3591


 18.8131, 0.6372,
0.3323

 18.8131, 0.6372,
0.3323

 18.8146, 0.6372,
0.3323

 19.8408, 0.6190,
0.3345

 21.8153, 0.5863,
0.3365

 24.9062, 0.5429,
0.3375

 29.2456, 0.4959,
0.3374

 34.9471, 0.4512,
0.3365

■ 42.1116, 0.4119,
0.3352

■ 50.8306, 0.3789,
0.3336

■ 61.1879, 0.3520,
0.3320

■ 73.2614, 0.3302,
0.3304

Harmonies

Analogous

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



18.8131, 0.5808, 0.2536



18.8131, 0.6372, 0.3323



18.8131, 0.5691, 0.4309

Triad

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



18.8131, 0.6372, 0.3323



18.8131, 0.1729, 0.5951



18.8131, 0.1260, 0.1105

Complementary

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



18.8131, 0.6372, 0.3323



61.1321, 0.2199, 0.3115

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.



18.8131, 0.0803, 0.1223



18.8131, 0.6372, 0.3323



18.8131, 0.0921, 0.3380

Square

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



18.8131, 0.6372, 0.3323



18.8131, 0.2982, 0.6730



18.8131, 0.0687, 0.1810



18.8131, 0.2262, 0.1296

Rectangle

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



18.8131, 0.6372, 0.3323



18.8131, 0.4853, 0.5147



18.8131, 0.0687, 0.1810



18.8131, 0.1061, 0.1107

Sweetspot

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



18.8146, 0.6372, 0.3323



58.2359, 0.3792, 0.3336



24.1232, 0.3341, 0.1614



11.5125, 0.3924, 0.3343



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.



18.8146, 0.6372, 0.3323



21.5737, 0.6373, 0.3321



35.0228, 0.5283, 0.4188



15.8978, 0.3292, 0.3304



10.3596, 0.6361, 0.3331



0.9104, 0.6259, 0.3412

Inverse Universe

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



61.1321, 0.2199, 0.3115



70.1398, 0.2199, 0.3115



17.0140, 0.1719, 0.1387



17.7717, 0.2981, 0.3276



33.5352, 0.2200, 0.3118



2.8348, 0.2206, 0.3142

Previews

White Background



This preview shows how the Yxy color 18.8131, 0.6372, 0.3323 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 18.8131, 0.6372, 0.3323 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 18.8131, 0.6372, 0.3323

Background



This preview shows how black text looks on a background with the Yxy color 18.8131, 0.6372, 0.3323.



This preview shows how white text looks on a background with the Yxy color 18.8131, 0.6372, 0.3323.

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

18.8131, 0.6372, 0.3323

Protanopia

19.2522, 0.4264, 0.4729

Deuteranopia

19.0338, 0.4704, 0.4647



Tritanopia

18.9245, 0.6343, 0.3345

Trichromacy



Original Color

18.8131, 0.6372, 0.3323

Protanomaly

15.0838, 0.5397, 0.3952

Deuteranomaly

15.7631, 0.5635, 0.3908

Tritanomaly

18.8165, 0.6354, 0.3337

Monochromacy



Original Color

18.8131, 0.6372, 0.3323

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.3659, 0.5016, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8131, 0.6372, 0.3323 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(240, 13, 0)` looks like.

```
.text, #text, p{  
    color:rgb(240, 13, 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(240, 13, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 13, 0) }
```

Border

The CSS property to change the border of an element to Yxy 18.8131, 0.6372, 0.3323 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(240, 13, 0) }
```

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

```
.border{ border-color:rgb(240, 13, 0) }
```

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

Here you see how a box with a 4 pixel rgb(240, 13, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 13, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 13, 0);  
box-shadow:4px 4px 4px 4px rgb(240, 13, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 18.8131, 0.6372, 0.3323 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 13, 0) }
```

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

```
.background{ background-color: rgb(240, 13,  
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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