

Converting Colors

$Y_{xy}(18.9250, 0.6396, 0.3297)$

Have a look what the booklet for
Yxy(18.9250, 0.6396, 0.3297)
contains.

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Color

Yxy(18.8816, 0.6394, 0.3296)

Conversions

Conversions Part 1

Format	Color
Hex	F20002
RGB	242, 0, 2
RGB Percent	95%, 0%, 1%
CMY	0.0510, 0.9997, 0.9915
CMYK	0.00, 1.00, 0.99, 0.05
HSL	359°, 100%, 47%
HSV	359°, 100%, 95%
XYZ	36.6289, 18.8816, 1.7759
YIQ	72.5860, 143.5900, 51.9260

Conversions

Conversions Part 2

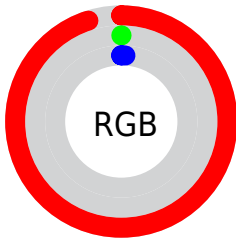
Format	Color
RYB	242, 0, 2
Decimal	15859714
CIELab	50.55, 77.01, 64.02
CIELCh	51, 100.146, 39.736
Yxy	18.8816, 0.6394, 0.3296
Android (android.graphics.Color)	4294049794 (0xFFFF20002)
YUV	72.5860, -34.7989, 148.5761
Hunter-Lab	43.4530, 74.4249, 27.9940

Details

The Yxy color **18.8816, 0.6394, 0.3296** 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 **69.7883, 0.2254, 0.3314**, and the grayscale version is **6.6398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5709, 0.5552, 0.3569**, and **9.1140, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.8812, 0.6394, 0.3296**, and if you desaturate by 10%, it is **19.6162, 0.6234, 0.3293**.

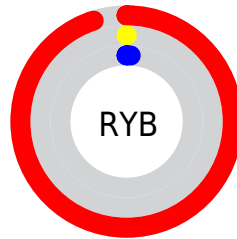
Distribution



Red (95%)

Green (0%)

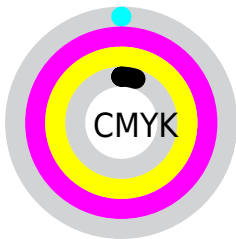
Blue (1%)



Red (95%)

Yellow (0%)

Blue (1%)

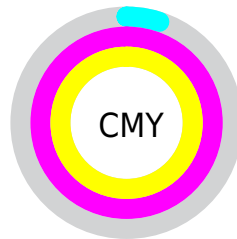


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (5%)



Cyan (5%)


Magenta (100%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8816, 0.6394, 0.3296 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 18.8816, 0.6394, 0.3296 by changing the saturation by 10% instead.


 18.8816, 0.6394,
0.3296


 18.8816, 0.6394,
0.3296


 245.7943, 0.4698,
0.3574


 11.5848, 0.6765,
0.3123


 41.5339, 0.5812,
0.3482


 6.4616, 0.7158,
0.2842


 57.6582, 0.5578,
0.3527


 3.1277, 0.7583,
0.2417

 77.4938, 0.5377,
0.3553

 1.1988, 0.8165,
0.1835

 101.4250, 0.5203,
0.3568

 0.0607, 0.9761,
0.0239

 129.8362, 0.5051,
0.3576


 0.0000, 1.0000,
0.0000


 163.1120, 0.4918,

 0.0000, 0.0000,

0.3578


0.0000

 201.6365, 0.4801,
0.3577


 18.8816, 0.6394,
0.3296


 18.8816, 0.6394,
0.3296


 18.8812, 0.6394,
0.3296

 19.6162, 0.6234,
0.3293

 21.2604, 0.5920,
0.3288

 24.0941, 0.5483,
0.3285

 28.2853, 0.5002,
0.3283

 33.9751, 0.4540,
0.3283

■ 41.2870, 0.4134,
0.3284

■ 50.3315, 0.3796,
0.3285

■ 61.2097, 0.3521,
0.3287

■ 74.0147, 0.3302,
0.3288

Harmonies

Analogous

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



18.8816, 0.5796, 0.2511



18.8816, 0.6394, 0.3296



18.8816, 0.5724, 0.4276

Triad

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



18.8816, 0.6394, 0.3296



18.8816, 0.1742, 0.6028



18.8816, 0.1235, 0.1094

Complementary

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



18.8816, 0.6394, 0.3296



69.7883, 0.2254, 0.3314

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.



18.8816, 0.0788, 0.1220



18.8816, 0.6394, 0.3296



18.8816, 0.0920, 0.3432

Square

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



18.8816, 0.6394, 0.3296



18.8816, 0.3004, 0.6743



18.8816, 0.0678, 0.1822



18.8816, 0.2224, 0.1279

Rectangle

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



18.8816, 0.6394, 0.3296



18.8816, 0.4885, 0.5115



18.8816, 0.0678, 0.1822



18.8816, 0.1040, 0.1099

Sweetspot

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



18.8828, 0.6394, 0.3296



56.5613, 0.3799, 0.3285



24.5830, 0.3167, 0.1518



11.1341, 0.3934, 0.3284



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.



18.8828, 0.6394, 0.3296



21.2648, 0.6395, 0.3296



31.5993, 0.5481, 0.4030



15.7611, 0.3292, 0.3288



10.1445, 0.6392, 0.3295



0.8447, 0.6367, 0.3281

Inverse Universe

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



18.8828, 0.6394, 0.3296



21.2648, 0.6395, 0.3296



21.0945, 0.1780, 0.1607



15.7611, 0.3292, 0.3288



10.1445, 0.6392, 0.3295



0.8447, 0.6367, 0.3281

Previews

White Background



This preview shows how the Yxy color 18.8816, 0.6394, 0.3296 looks on a white background.

Color Contrast Check

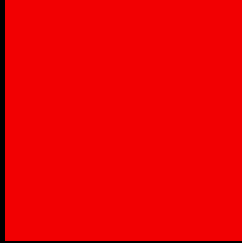
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.8816, 0.6394, 0.3296 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 18.8816, 0.6394, 0.3296

Background



This preview shows how black text looks on a background with the Yxy color 18.8816, 0.6394, 0.3296.



This preview shows how white text looks on a background with the Yxy color 18.8816, 0.6394, 0.3296.

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

18.8816, 0.6394, 0.3296

Protanopia

19.3364, 0.4278, 0.4720

Tritanopia

19.0991, 0.6344, 0.3345

Trichromacy



Original Color

18.8816, 0.6394, 0.3296

Protanomaly

14.6169, 0.5462, 0.3887

Tritanomaly

19.0170, 0.6367, 0.3323

Monochromacy



Original Color

18.8816, 0.6394, 0.3296

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

7.2276, 0.5138, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8816, 0.6394, 0.3296 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(242, 0, 2)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 2)  
}
```

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(242, 0, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 2) }
```

Border

The CSS property to change the border of an element to Yxy 18.8816, 0.6394, 0.3296 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(242, 0, 2) }
```

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

```
.border{ border-color:rgb(242, 0, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 0, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(242, 0, 2); box-shadow:4px  
4px 4px 4px rgb(242, 0, 2) }
```

Background

The CSS property to change the background color of an element to Yxy 18.8816, 0.6394, 0.3296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 2) }
```

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

```
.background{ background-color: rgb(242, 0,  
2) }
```

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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