

Converting Colors

Yxy(19.8459, 0.6398, 0.3300)

Have a look what the booklet for
Yxy(19.8459, 0.6398, 0.3300)
contains.

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Color

Yxy(19.7959, 0.6399, 0.3301)

Conversions

Conversions Part 1

Format	Color
Hex	F70100
RGB	247, 1, 0
RGB Percent	97%, 0%, 0%
CMY	0.0313, 0.9965, 0.9999
CMYK	0.00, 1.00, 1.00, 0.03
HSL	0°, 100%, 48%
HSV	0°, 100%, 97%
XYZ	38.3744, 19.7959, 1.7991
YIQ	74.4400, 146.9370, 51.8410

Conversions

Conversions Part 2

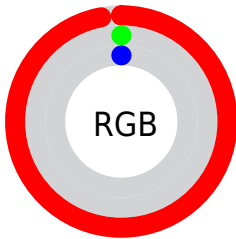
Format	Color
RYB	247, 1, 0
Decimal	16187648
CIELab	51.61, 78.14, 65.62
CIELCh	52, 102.043, 40.022
Yxy	19.7959, 0.6399, 0.3301
Android (android.graphics.Color)	4294377728 (0xFFFF70100)
YUV	74.4400, -36.6989, 151.3351
Hunter-Lab	44.4926, 76.0925, 28.7474

Details

The Yxy color **19.7959, 0.6399, 0.3301** 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 **72.7260, 0.2244, 0.3277**, and the grayscale version is **6.9661, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.7499, 0.5543, 0.3577**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.7966, 0.6399, 0.3301**, and if you desaturate by 10%, it is **20.5638, 0.6245, 0.3302**.

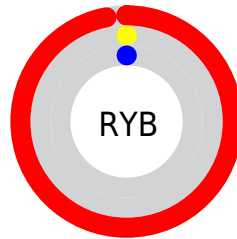
Distribution



Red (97%)

Green (0%)

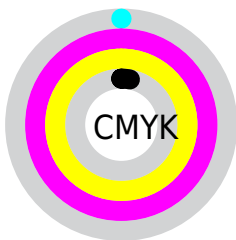
Blue (0%)



Red (97%)

Yellow (0%)

Blue (0%)

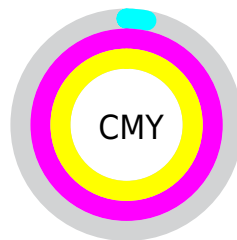


Cyan (0%)

Magenta (100%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (100%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7959, 0.6399, 0.3301 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 19.7959, 0.6399, 0.3301 by changing the saturation by 10% instead.


 19.7959, 0.6399,
0.3301


 19.7959, 0.6399,
0.3301


 250.8081, 0.4718,
0.3581


 12.2468, 0.6761,
0.3130


 43.0747, 0.5827,
0.3487


 6.9120, 0.7145,
0.2855


 59.5732, 0.5596,
0.3531

 3.4071, 0.7558,
0.2442

 79.8236, 0.5396,
0.3558

 1.3478, 0.8121,
0.1879

 104.2103, 0.5222,
0.3574

 0.1778, 0.9399,
0.0601

 133.1177, 0.5071,
0.3582

 0.0000, 1.0000,
0.0000


 166.9302, 0.4938,


 0.0000, 0.0000,


0.3584


0.0000

 206.0322, 0.4822,
0.3584


 19.7959, 0.6399,
0.3301


 19.7959, 0.6399,
0.3301

 19.7966, 0.6399,
0.3301

 20.5638, 0.6245,
0.3302

 22.2945, 0.5936,
0.3302

 25.2700, 0.5501,
0.3302

 29.6654, 0.5018,
0.3301

 35.6278, 0.4553,
0.3299

■ 43.2859, 0.4144,
0.3297

■ 52.7552, 0.3802,
0.3295

■ 64.1410, 0.3525,
0.3293

■ 77.5407, 0.3304,
0.3291

Harmonies

Analogous

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



19.7959, 0.5816, 0.2516



19.7959, 0.6399, 0.3301



19.7959, 0.5716, 0.4284

Triad

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



19.7959, 0.6399, 0.3301



19.7959, 0.1727, 0.6017



19.7959, 0.1238, 0.1091

Complementary

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



19.7959, 0.6399, 0.3301



72.7260, 0.2244, 0.3277

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.



19.7959, 0.0787, 0.1213



19.7959, 0.6399, 0.3301



19.7959, 0.0911, 0.3409

Square

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



19.7959, 0.6399, 0.3301



19.7959, 0.2986, 0.6755



19.7959, 0.0674, 0.1808



19.7959, 0.2234, 0.1278

Rectangle

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



19.7959, 0.6399, 0.3301



19.7959, 0.4872, 0.5128



19.7959, 0.0674, 0.1808



19.7959, 0.1041, 0.1095

Sweetspot

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



19.7972, 0.6399, 0.3301



56.6411, 0.3804, 0.3295



26.4951, 0.3209, 0.1542



11.1521, 0.3940, 0.3296



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.



19.7972, 0.6399, 0.3301



21.2793, 0.6399, 0.3301



34.0738, 0.5433, 0.4068



16.4918, 0.3294, 0.3291



10.4720, 0.6398, 0.3302



0.9236, 0.6392, 0.3307

Inverse Universe

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



72.7260, 0.2244, 0.3277



78.1746, 0.2244, 0.3277



21.0127, 0.1763, 0.1548



18.7473, 0.2981, 0.3289



38.4597, 0.2244, 0.3277



3.3834, 0.2244, 0.3278

Previews

White Background



This preview shows how the Yxy color 19.7959, 0.6399, 0.3301 looks on a white background.

Color Contrast Check

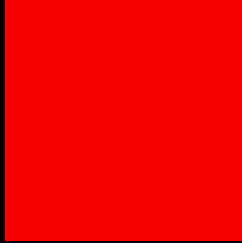
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7959, 0.6399, 0.3301 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 19.7959, 0.6399, 0.3301

Background



This preview shows how black text looks on a background with the Yxy color 19.7959, 0.6399, 0.3301.



This preview shows how white text looks on a background with the Yxy color 19.7959, 0.6399, 0.3301.

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

19.7959, 0.6399, 0.3301

Protanopia

20.3470, 0.4273, 0.4723

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.7959, 0.6399, 0.3301

Protanomaly

15.3715, 0.5472, 0.3897

Deuteranomaly

15.9793, 0.5715, 0.3845

Tritanomaly

19.9345, 0.6368, 0.3325

Monochromacy



Original Color

19.7959, 0.6399, 0.3301

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.5566, 0.5167, 0.3296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7959, 0.6399, 0.3301 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(247, 1, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 1, 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(247, 1, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 1, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.7959, 0.6399, 0.3301 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(247, 1, 0) }
```

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

```
.border{ border-color:rgb(247, 1, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 1, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 1, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(247, 1, 0); box-shadow:4px  
4px 4px 4px rgb(247, 1, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7959, 0.6399, 0.3301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 1, 0) }
```

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

```
.background{ background-color: rgb(247, 1,  
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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