

Converting Colors

$Y_{xy}(19.8681, 0.6311, 0.3250)$

Have a look what the booklet for
Yxy(19.8681, 0.6311, 0.3250)
contains.

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Color

Yxy(19.8401, 0.6312, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	F70018
RGB	247, 0, 24
RGB Percent	97%, 0%, 9%
CMY	0.0314, 0.9995, 0.9056
CMYK	0.00, 1.00, 0.90, 0.03
HSL	354°, 100%, 48%
HSV	354°, 100%, 97%
XYZ	38.5207, 19.8401, 2.6669
YIQ	76.5890, 139.5080, 59.8280

Conversions

Conversions Part 2

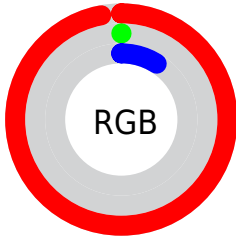
Format	Color
RYB	247, 0, 24
Decimal	16187416
CIELab	51.66, 78.40, 58.57
CIELCh	52, 97.857, 36.761
Yxy	19.8401, 0.6312, 0.3251
Android (android.graphics.Color)	4294377496 (0xFFFF70018)
YUV	76.5890, -25.9264, 149.4504
Hunter-Lab	44.5422, 76.4201, 27.6296

Details

The Yxy color **19.8401, 0.6312, 0.3251** 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 **71.8469, 0.2333, 0.3598**, and the grayscale version is **7.3867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9255, 0.5406, 0.3476**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8380, 0.6313, 0.3251**, and if you desaturate by 10%, it is **20.6606, 0.6086, 0.3208**.

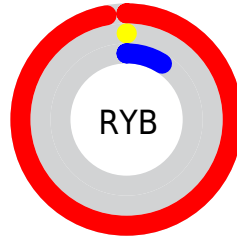
Distribution



Red (97%)

Green (0%)

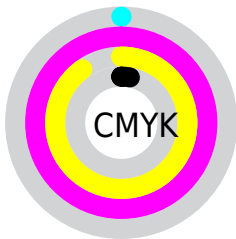
Blue (9%)



Red (97%)

Yellow (0%)

Blue (9%)

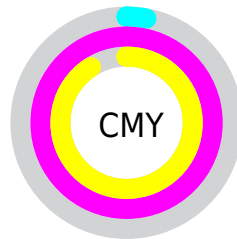


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (3%)



Cyan (3%)


Magenta (100%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.8401, 0.6312, 0.3251 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 19.8401, 0.6312, 0.3251 by changing the saturation by 10% instead.


 19.8401, 0.6312,
0.3251


 19.8401, 0.6312,
0.3251


251.0482, 0.4636,
0.3515


 12.2789, 0.6680,
0.3087


 43.1489, 0.5724,
0.3421

 6.9339, 0.7148,
0.2852


 59.6653, 0.5493,
0.3462


 3.4208, 0.7561,
0.2439

 79.9356, 0.5295,
0.3488

 1.3552, 0.8124,
0.1876

 104.3440, 0.5124,
0.3503

 0.1833, 0.9386,
0.0614

 133.2751, 0.4977,
0.3512

 0.0000, 1.0000,
0.0000

 167.1133, 0.4849,

 0.0000, 0.0000,


0.3516

0.0000


 206.2428, 0.4736,
0.3517


 19.8401, 0.6312,
0.3251

 19.8401, 0.6312,
0.3251


 19.8380, 0.6313,
0.3251

 20.6606, 0.6086,
0.3208

 22.4392, 0.5730,
0.3172

 25.4556, 0.5291,
0.3154

 29.8812, 0.4835,
0.3154

 35.8605, 0.4410,
0.3167

■ 43.5198, 0.4042,
0.3189

■ 52.9728, 0.3736,
0.3214

■ 64.3230, 0.3487,
0.3241

■ 77.6661, 0.3287,
0.3266

Harmonies

Analogous

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



19.8401, 0.5562, 0.2469



19.8401, 0.6312, 0.3251



19.8401, 0.5799, 0.4201

Triad

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



19.8401, 0.6312, 0.3251



19.8401, 0.1917, 0.6096



19.8401, 0.1217, 0.1140

Complementary

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



19.8401, 0.6312, 0.3251



71.8469, 0.2333, 0.3598

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.



19.8401, 0.0810, 0.1304



19.8401, 0.6312, 0.3251



19.8401, 0.1034, 0.3668

Square

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



19.8401, 0.6312, 0.3251



19.8401, 0.3186, 0.6567



19.8401, 0.0734, 0.1976



19.8401, 0.2127, 0.1293

Rectangle

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



19.8401, 0.6312, 0.3251



19.8401, 0.5014, 0.4986



19.8401, 0.0734, 0.1976



19.8401, 0.1037, 0.1156

Sweetspot

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



19.8414, 0.6312, 0.3251



56.8417, 0.3738, 0.3214



22.2953, 0.2954, 0.1401



11.1976, 0.3861, 0.3203



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.



19.8414, 0.6312, 0.3251



21.3290, 0.6315, 0.3252



28.6728, 0.5726, 0.3835



16.5086, 0.3278, 0.3267



10.5017, 0.6290, 0.3239



0.9316, 0.6061, 0.3112

Inverse Universe

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



19.8414, 0.6312, 0.3251



21.3290, 0.6315, 0.3252



27.9731, 0.1861, 0.1899



16.5086, 0.3278, 0.3267



10.5017, 0.6290, 0.3239



0.9316, 0.6061, 0.3112

Previews

White Background



This preview shows how the Yxy color 19.8401, 0.6312, 0.3251 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 19.8401, 0.6312, 0.3251 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 19.8401, 0.6312, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 19.8401, 0.6312, 0.3251.



This preview shows how white text looks on a background with the Yxy color 19.8401, 0.6312, 0.3251.

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

19.8401, 0.6312, 0.3251

Protanopia

20.3535, 0.4164, 0.4587

Deuteranopia

20.1250, 0.4705, 0.4646



Tritanopia

20.0253, 0.6343, 0.3346

Trichromacy



Original Color

19.8401, 0.6312, 0.3251



Protanomaly

15.3422, 0.5318, 0.3781



Deuteranomaly

15.9990, 0.5681, 0.3819



Tritanomaly

19.9542, 0.6342, 0.3310

Monochromacy



Original Color

19.8401, 0.6312, 0.3251



Achromatopsia

7.4214, 0.3127, 0.3290



Achromatomaly

7.9911, 0.4928, 0.3148

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8401, 0.6312, 0.3251 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, 0, 24)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 24)  
}
```

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, 0, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 24) }
```

Border

The CSS property to change the border of an element to Yxy 19.8401, 0.6312, 0.3251 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, 0, 24) }
```

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

```
.border{ border-color:rgb(247, 0, 24) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 24);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 24)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.8401, 0.6312, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 24) }
```

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

```
.background{ background-color: rgb(247, 0,  
24) }
```

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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