

Converting Colors

$Yxy(19.0573, 0.6397, 0.3303)$

Have a look what the booklet for
Yxy(19.0573, 0.6397, 0.3303)
contains.

Yxy(19.0981, 0.6396, 0.3303)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0981, 0.6396, 0.3303)

Conversions

Conversions Part 1

Format	Color
Hex	F30200
RGB	243, 2, 0
RGB Percent	95%, 1%, 0%
CMY	0.0471, 0.9917, 0.9996
CMYK	0.00, 0.99, 1.00, 0.05
HSL	0°, 100%, 48%
HSV	0°, 100%, 95%
XYZ	36.9820, 19.0981, 1.7404
YIQ	73.8310, 144.2780, 50.4700

Conversions

Conversions Part 2

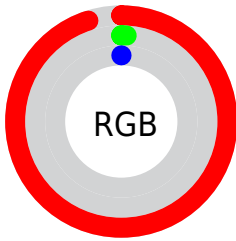
Format	Color
RYB	243, 2, 0
Decimal	15925760
CIELab	50.80, 77.08, 64.80
CIELCh	51, 100.700, 40.050
Yxy	19.0981, 0.6396, 0.3303
Android (android.graphics.Color)	4294115840 (0xFFFF30200)
YUV	73.8310, -36.3987, 148.3612
Hunter-Lab	43.7014, 74.5769, 28.2298

Details

The Yxy color **19.0981, 0.6396, 0.3303** 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 **69.3675, 0.2240, 0.3262**, and the grayscale version is **6.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.5608, 0.5560, 0.3575**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.0966, 0.6396, 0.3303**, and if you desaturate by 10%, it is **19.8694, 0.6238, 0.3305**.

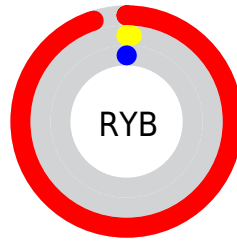
Distribution



Red (95%)

Green (1%)

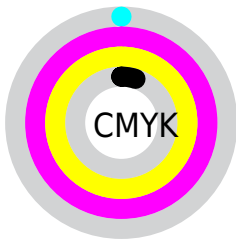
Blue (0%)



Red (95%)

Yellow (1%)

Blue (0%)

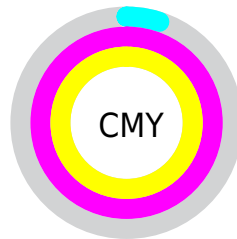


Cyan (0%)

Magenta (99%)

Yellow (100%)

Black (5%)



Cyan (5%)


Magenta (99%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0981, 0.6396, 0.3303 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 19.0981, 0.6396, 0.3303 by changing the saturation by 10% instead.

 19.0981, 0.6396,
0.3303


 19.0981, 0.6396,
0.3303


 246.9898, 0.4706,
0.3581


 11.7412, 0.6765,
0.3131


 41.8998, 0.5818,
0.3489


 6.5677, 0.7151,
0.2849


 58.1134, 0.5585,
0.3534

 3.1932, 0.7572,
0.2428

 78.0480, 0.5384,
0.3560

 1.2334, 0.8150,
0.1850

 102.0879, 0.5210,
0.3575

 0.0888, 0.9662,
0.0338

 130.6177, 0.5059,
0.3583

 0.0000, 1.0000,
0.0000


 164.0217, 0.4926,


 0.0000, 0.0000,

0.3585


0.0000

 202.6843, 0.4809,
0.3584


 19.0981, 0.6396,
0.3303

 19.0981, 0.6396,
0.3303


 19.0966, 0.6396,
0.3303

 19.8694, 0.6238,
0.3305

 21.5812, 0.5926,
0.3308

 24.4881, 0.5490,
0.3308

 28.7545, 0.5009,
0.3307

 34.5192, 0.4546,
0.3305

■ 41.9038, 0.4139,
0.3302

■ 51.0175, 0.3799,
0.3299

■ 61.9600, 0.3524,
0.3296

■ 74.8233, 0.3303,
0.3293

Harmonies

Analogous

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



19.0981, 0.5814, 0.2518



19.0981, 0.6396, 0.3303



19.0981, 0.5714, 0.4286

Triad

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



19.0981, 0.6396, 0.3303



19.0981, 0.1728, 0.6011



19.0981, 0.1241, 0.1093

Complementary

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



19.0981, 0.6396, 0.3303



69.3675, 0.2240, 0.3262

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.



19.0981, 0.0789, 0.1215



19.0981, 0.6396, 0.3303



19.0981, 0.0913, 0.3407

Square

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



19.0981, 0.6396, 0.3303



19.0981, 0.2987, 0.6753



19.0981, 0.0675, 0.1809



19.0981, 0.2237, 0.1280

Rectangle

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



19.0981, 0.6396, 0.3303



19.0981, 0.4871, 0.5129



19.0981, 0.0675, 0.1809



19.0981, 0.1043, 0.1096

Sweetspot

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



19.0993, 0.6396, 0.3303



56.7886, 0.3803, 0.3299



25.5258, 0.3209, 0.1542



11.1853, 0.3939, 0.3300



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.



19.0993, 0.6396, 0.3303



21.3059, 0.6397, 0.3303



32.8625, 0.5431, 0.4069



16.5045, 0.3294, 0.3292



10.4914, 0.6395, 0.3304



0.9297, 0.6379, 0.3317

Inverse Universe

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



69.3675, 0.2240, 0.3262



77.3983, 0.2239, 0.3262



20.2806, 0.1764, 0.1550



18.7328, 0.2981, 0.3288



38.0850, 0.2240, 0.3262



3.3548, 0.2241, 0.3266

Previews

White Background



This preview shows how the Yxy color 19.0981, 0.6396, 0.3303 looks on a white background.

Color Contrast Check

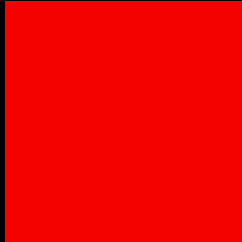
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0981, 0.6396, 0.3303 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 19.0981, 0.6396, 0.3303

Background



This preview shows how black text looks on a background with the Yxy color 19.0981, 0.6396, 0.3303.



This preview shows how white text looks on a background with the Yxy color 19.0981, 0.6396, 0.3303.

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

19.0981, 0.6396, 0.3303

Protanopia

19.6681, 0.4278, 0.4724

Deuteranopia

19.3608, 0.4700, 0.4650



Tritanopia

19.3136, 0.6341, 0.3348

Trichromacy



Original Color

19.0981, 0.6396, 0.3303

Protanomaly

14.8726, 0.5461, 0.3900

Deuteranomaly

15.4713, 0.5688, 0.3866

Tritanomaly

19.2189, 0.6367, 0.3326

Monochromacy



Original Color

19.0981, 0.6396, 0.3303

Achromatopsia

6.8478, 0.3127, 0.3290

Achromatomaly

7.4700, 0.5126, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0981, 0.6396, 0.3303 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(243, 2, 0)` looks like.

```
.text, #text, p{  
    color:rgb(243, 2, 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(243, 2, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 2, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.0981, 0.6396, 0.3303 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(243, 2, 0) }
```

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

```
.border{ border-color:rgb(243, 2, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 2, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 2, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(243, 2, 0); box-shadow:4px  
4px 4px 4px rgb(243, 2, 0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0981, 0.6396, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 2, 0) }
```

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

```
.background{ background-color: rgb(243, 2,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor