

Converting Colors

$Yxy(19.9981, 0.6192, 0.3185)$

Have a look what the booklet for
Yxy(19.9981, 0.6192, 0.3185)
contains.

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Color

Yxy(19.9343, 0.6192, 0.3185)

Conversions

Conversions Part 1

Format	Color
Hex	F70029
RGB	247, 0, 41
RGB Percent	97%, 0%, 16%
CMY	0.0314, 0.9993, 0.8394
CMYK	0.00, 1.00, 0.83, 0.03
HSL	350°, 100%, 48%
HSV	350°, 100%, 97%
XYZ	38.7545, 19.9343, 3.8992
YIQ	78.5270, 134.0510, 65.1150

Conversions

Conversions Part 2

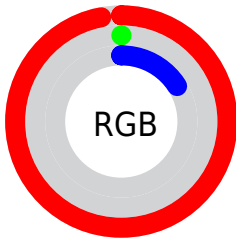
Format	Color
R_{YB}	247, 0, 41
Decimal	16187433
CIE _{Lab}	51.76, 78.68, 50.91
CIE _{LCh}	52, 93.717, 32.904
Yxy	19.9343, 0.6192, 0.3185
Android (android.graphics.Color)	4294377513 (0xFFFF70029)
YUV	78.5270, -18.5008, 147.7508
Hunter-Lab	44.6478, 76.8051, 26.0755

Details

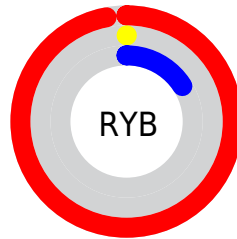
The Yxy color **19.9343, 0.6192, 0.3185** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **70.9814, 0.2398, 0.3831**, and the grayscale version is **7.7594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1490, 0.5244, 0.3357**, and **9.7033, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.9308, 0.6193, 0.3186**, and if you desaturate by 10%, it is **20.8050, 0.5923, 0.3115**.

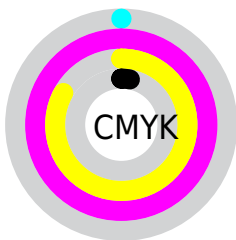
Distribution



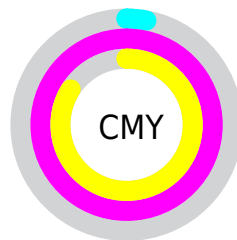
- Red (97%)
- Green (0%)
- Blue (16%)



- Red (97%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (83%)
- Black (3%)




- Cyan (3%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9343, 0.6192, 0.3185 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 19.9343, 0.6192, 0.3185 by changing the saturation by 10% instead.


 19.9343, 0.6192,
0.3185


 19.9343, 0.6192,
0.3185


251.5592, 0.4544,
0.3443


 12.3473, 0.6578,
0.3036


 43.3070, 0.5597,
0.3340


 6.9807, 0.7073,
0.2818


 59.8615, 0.5369,
0.3380


 3.4500, 0.7562,
0.2438

 80.1739, 0.5176,
0.3405

 1.3709, 0.8123,
0.1877

 104.6287, 0.5011,
0.3422

 0.1952, 0.9358,
0.0642

 133.6103, 0.4869,
0.3432

 0.0000, 1.0000,
0.0000

 167.5029, 0.4746,

 0.0000, 0.0000,

0.3438

0.0000

206.6911, 0.4639,
0.3441

■ 19.9343, 0.6192,
0.3185

■ 19.9343, 0.6192,
0.3185

■ 19.9308, 0.6193,
0.3186

■ 20.8050, 0.5923,
0.3115

■ 22.6290, 0.5552,
0.3064

■ 25.6813, 0.5125,
0.3043

■ 30.1308, 0.4698,
0.3050

■ 36.1195, 0.4307,
0.3077

■ 43.7717, 0.3969,
0.3116

■ 53.1993, 0.3689,
0.3160

■ 64.5043, 0.3460,
0.3205

■ 77.7808, 0.3275,
0.3249

Harmonies

Analogous

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



19.9343, 0.5273, 0.2410



19.9343, 0.6192, 0.3185



19.9343, 0.5838, 0.4079

Triad

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



19.9343, 0.6192, 0.3185



19.9343, 0.2132, 0.6155



19.9343, 0.1193, 0.1196

Complementary

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



19.9343, 0.6192, 0.3185



70.9814, 0.2398, 0.3831

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.



19.9343, 0.0836, 0.1413



19.9343, 0.6192, 0.3185



19.9343, 0.1181, 0.3960

Square

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



19.9343, 0.6192, 0.3185



19.9343, 0.3403, 0.6361



19.9343, 0.0807, 0.2177



19.9343, 0.2014, 0.1309

Rectangle

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



19.9343, 0.6192, 0.3185



19.9343, 0.5164, 0.4836



19.9343, 0.0807, 0.2177



19.9343, 0.1033, 0.1227

Sweetspot

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



19.9356, 0.6192, 0.3185



57.0679, 0.3692, 0.3160



19.8192, 0.2784, 0.1307



11.2493, 0.3804, 0.3141



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.



19.9356, 0.6192, 0.3185



21.4282, 0.6196, 0.3187



25.8744, 0.5907, 0.3691



16.5272, 0.3268, 0.3251



10.5556, 0.6161, 0.3168



0.9404, 0.5848, 0.2995

Inverse Universe

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



19.9356, 0.6192, 0.3185



21.4282, 0.6196, 0.3187



33.5241, 0.1928, 0.2141



16.5272, 0.3268, 0.3251



10.5556, 0.6161, 0.3168



0.9404, 0.5848, 0.2995

Previews

White Background



This preview shows how the Yxy color 19.9343, 0.6192, 0.3185 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 19.9343, 0.6192, 0.3185 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 19.9343, 0.6192, 0.3185

Background



This preview shows how black text looks on a background with the Yxy color 19.9343, 0.6192, 0.3185.



This preview shows how white text looks on a background with the Yxy color 19.9343, 0.6192, 0.3185.

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

19.9343, 0.6192, 0.3185

Protanopia

20.4639, 0.3968, 0.4320

Deuteranopia

20.2550, 0.4682, 0.4592



Tritanopia

20.1666, 0.6347, 0.3343

Trichromacy



Original Color

19.9343, 0.6192, 0.3185

Protanomaly

15.4977, 0.5089, 0.3590

Deuteranomaly

16.0412, 0.5613, 0.3766

Tritanomaly

19.9414, 0.6325, 0.3297

Monochromacy



Original Color

19.9343, 0.6192, 0.3185

Achromatopsia

7.8187, 0.3127, 0.3290

Achromatomaly

8.2383, 0.4771, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9343, 0.6192, 0.3185 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, 41)` looks like.

```
.text, #text, p{  
    color:rgb(247, 0, 41)  
}
```

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, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 41) }
```

Border

The CSS property to change the border of an element to Yxy 19.9343, 0.6192, 0.3185 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, 41) }
```

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

```
.border{ border-color:rgb(247, 0, 41) }
```

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, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 41);  
box-shadow:4px 4px 4px 4px rgb(247, 0, 41)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.9343, 0.6192, 0.3185 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, 41) }
```

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

```
.background{ background-color: rgb(247, 0,  
41) }
```

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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