

Converting Colors

$Y_{xy}(19.2867, 0.6169, 0.3209)$

Have a look what the booklet for
Yxy(19.2867, 0.6169, 0.3209)
contains.

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Color

Yxy(19.3183, 0.6166, 0.3207)

Conversions

Conversions Part 1

Format	Color
Hex	F20D28
RGB	242, 13, 40
RGB Percent	95%, 5%, 16%
CMY	0.0510, 0.9486, 0.8432
CMYK	0.00, 0.95, 0.83, 0.05
HSL	353°, 90%, 50%
HSV	353°, 95%, 95%
XYZ	37.1427, 19.3183, 3.7769
YIQ	84.5490, 127.8170, 56.9450

Conversions

Conversions Part 2

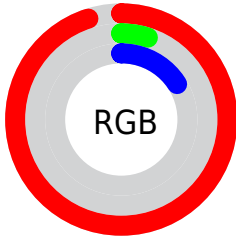
Format	Color
R _Y B	242, 13, 40
Decimal	15863080
CIE Lab	51.06, 76.51, 50.39
CIE LCh	51, 91.613, 33.369
Yxy	19.3183, 0.6166, 0.3207
Android (android.graphics.Color)	4294053160 (0xFFFF20D28)
YUV	84.5490, -21.9627, 138.0845
Hunter-Lab	43.9526, 73.9267, 25.6719

Details

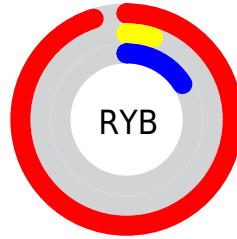
The Yxy color **19.3183, 0.6166, 0.3207** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **68.4983, 0.2351, 0.3644**, and the grayscale version is **9.0250, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.4975, 0.5240, 0.3383**, and **9.2301, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.9616, 0.6281, 0.3234**, and if you desaturate by 10%, it is **20.5589, 0.5857, 0.3157**.

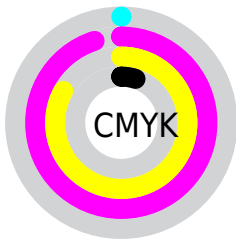
Distribution



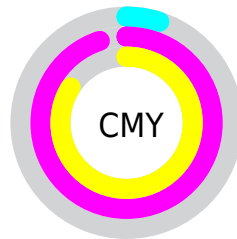
- Red (95%)
- Green (5%)
- Blue (16%)



- Red (95%)
- Yellow (5%)
- Blue (16%)



- Cyan (0%)
- Magenta (95%)
- Yellow (83%)
- Black (5%)





- Cyan (5%)
- Magenta (95%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3183, 0.6166, 0.3207 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 19.3183, 0.6166, 0.3207 by changing the saturation by 10% instead.


 19.3183, 0.6166,
0.3207


 19.3183, 0.6166,
0.3207


248.2004, 0.4523,
0.3451


 11.9005, 0.6554,
0.3060


 42.2713, 0.5570,
0.3358


 6.6760, 0.7062,
0.2844


 58.5752, 0.5342,
0.3396

 3.2603, 0.7546,
0.2454

 78.6100, 0.5150,
0.3420

 1.2691, 0.8119,
0.1881

 102.7600, 0.4986,
0.3434

 0.1171, 0.9564,
0.0436

 131.4097, 0.4845,
0.3443

 0.0000, 1.0000,
0.0000

 164.9434, 0.4723,

 0.0000, 0.0000,

0.3448

0.0000

203.7455, 0.4617,
0.3451

■ 19.3183, 0.6166,
0.3207

■ 19.3183, 0.6166,
0.3207

■ 18.9616, 0.6281,
0.3234

■ 20.5589, 0.5857,
0.3157

■ 22.8878, 0.5446,
0.3127

■ 26.4855, 0.4997,
0.3120

■ 31.4990, 0.4563,
0.3131

■ 38.0549, 0.4177,
0.3154

■ 46.2660, 0.3852,
0.3184

■ 56.2343, 0.3584,
0.3215

■ 68.0537, 0.3368,
0.3247

■ 81.8114, 0.3195,
0.3277

Harmonies

Analogous

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



19.3183, 0.5273, 0.2432



19.3183, 0.6166, 0.3207



19.3183, 0.5807, 0.4102

Triad

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



19.3183, 0.6166, 0.3207



19.3183, 0.2131, 0.6091



19.3183, 0.1216, 0.1211

Complementary

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



19.3183, 0.6166, 0.3207



68.4983, 0.2351, 0.3644

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.



19.3183, 0.0854, 0.1423



19.3183, 0.6166, 0.3207



19.3183, 0.1190, 0.3919

Square

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



19.3183, 0.6166, 0.3207



19.3183, 0.3393, 0.6342



19.3183, 0.0821, 0.2173



19.3183, 0.2043, 0.1327

Rectangle

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



19.3183, 0.6166, 0.3207



19.3183, 0.5143, 0.4857



19.3183, 0.0821, 0.2173



19.3183, 0.1054, 0.1240

Sweetspot

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



19.3195, 0.6166, 0.3207



59.1800, 0.3671, 0.3204



20.6200, 0.2888, 0.1379



11.6398, 0.3789, 0.3190



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.



19.3195, 0.6166, 0.3207



21.3534, 0.6285, 0.3236



27.4608, 0.5693, 0.3816



15.7890, 0.3275, 0.3263



10.1972, 0.6256, 0.3220



0.8581, 0.5979, 0.3068

Inverse Universe

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



19.3195, 0.6166, 0.3207



21.3534, 0.6285, 0.3236



30.9739, 0.1923, 0.2094



15.7890, 0.3275, 0.3263



10.1972, 0.6256, 0.3220



0.8581, 0.5979, 0.3068

Previews

White Background



This preview shows how the Yxy color 19.3183, 0.6166, 0.3207 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 19.3183, 0.6166, 0.3207 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 19.3183, 0.6166, 0.3207

Background



This preview shows how black text looks on a background with the Yxy color 19.3183, 0.6166, 0.3207.



This preview shows how white text looks on a background with the Yxy color 19.3183, 0.6166, 0.3207.

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

19.3183, 0.6166, 0.3207

Protanopia

19.6870, 0.3966, 0.4337

Deuteranopia

19.4859, 0.4679, 0.4598



Tritanopia

19.4136, 0.6348, 0.3341

Trichromacy



Original Color

19.3183, 0.6166, 0.3207

Protanomaly

15.4610, 0.5035, 0.3666

Deuteranomaly

16.2147, 0.5540, 0.3833

Tritanomaly

19.3443, 0.6311, 0.3306

Monochromacy



Original Color

19.3183, 0.6166, 0.3207

Achromatopsia

9.0842, 0.3127, 0.3290

Achromatomaly

9.3084, 0.4628, 0.3123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3183, 0.6166, 0.3207 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, 13, 40)` looks like.

```
.text, #text, p{  
    color:rgb(242, 13, 40)  
}
```

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, 13, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 13, 40) }
```

Border

The CSS property to change the border of an element to Yxy 19.3183, 0.6166, 0.3207 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, 13, 40) }
```

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

```
.border{ border-color:rgb(242, 13, 40) }
```

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

Here you see how a box with a 4 pixel rgb(242, 13, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 13, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 13, 40);  
box-shadow:4px 4px 4px 4px rgb(242, 13,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3183, 0.6166, 0.3207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 13, 40) }
```

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

```
.background{ background-color: rgb(242, 13,  
40) }
```

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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