

Converting Colors

$Y_{xy}(16.2430, 0.6143, 0.2725)$

Have a look what the booklet for
Yxy(16.2430, 0.6143, 0.2725)
contains.

Yxy(19.6505, 0.5878, 0.3012)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.6505, 0.5878, 0.3012)

Conversions

Conversions Part 1

Format	Color
Hex	F40044
RGB	244, 0, 68
RGB Percent	96%, 0%, 27%
CMY	0.0432, 0.9993, 0.7333
CMYK	0.00, 1.00, 0.72, 0.04
HSL	343°, 100%, 48%
HSV	343°, 100%, 96%
XYZ	38.3485, 19.6505, 7.2417
YIQ	80.7080, 123.5960, 72.8760

Conversions

Conversions Part 2

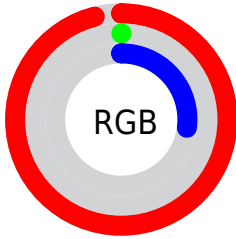
Format	Color
R_{YB}	244, 0, 68
Decimal	15990852
CIE _{Lab}	51.44, 78.78, 35.24
CIE _{LCh}	51, 86.301, 24.103
Yxy	19.6505, 0.5878, 0.3012
Android (android.graphics.Color)	4294180932 (0xFFFF40044)
YUV	80.7080, -6.2650, 143.2071
Hunter-Lab	44.3289, 76.8431, 21.3444

Details

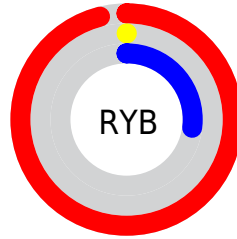
The Yxy color **19.6505, 0.5878, 0.3012** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **67.8346, 0.2510, 0.4235**, and the grayscale version is **8.1817, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7054, 0.4893, 0.3099**, and **9.6583, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **19.6466, 0.5880, 0.3013**, and if you desaturate by 10%, it is **20.5733, 0.5575, 0.2918**.

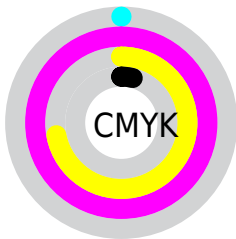
Distribution



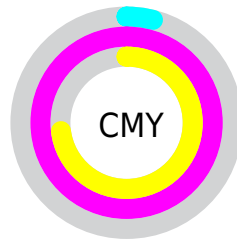
- Red (96%)
- Green (0%)
- Blue (27%)



- Red (96%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (72%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6505, 0.5878, 0.3012 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 19.6505, 0.5878, 0.3012 by changing the saturation by 10% instead.


 19.6505, 0.5878,
0.3012


 19.6505, 0.5878,
0.3012


250.0167, 0.4348,
0.3291


 12.1412, 0.6277,
0.2883


 42.8304, 0.5300,
0.3155


 6.8399, 0.6779,
0.2683


 59.2699, 0.5087,
0.3196

 3.3622, 0.7515,
0.2399

 79.4549, 0.4911,
0.3225

 1.3236, 0.8147,
0.1853

 103.7699, 0.4762,
0.3246

 0.1594, 0.9457,
0.0543

 132.5991, 0.4635,
0.3262

 0.0000, 1.0000,
0.0000

 166.3271, 0.4526,

 0.0000, 0.0000,

0.3274

0.0000

205.3382, 0.4431,
0.3284

■ 19.6505, 0.5878,
0.3012

■ 19.6505, 0.5878,
0.3012

■ 19.6466, 0.5880,
0.3013

■ 20.5733, 0.5575,
0.2918

■ 22.4082, 0.5216,
0.2861

■ 25.4202, 0.4835,
0.2848

■ 29.7696, 0.4468,
0.2875

■ 35.5915, 0.4136,
0.2927

■ 43.0044, 0.3851,
0.2996

■ 52.1145, 0.3612,
0.3071

■ 63.0188, 0.3416,
0.3147

■ 75.8071, 0.3256,
0.3221

Harmonies

Analogous

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



19.6505, 0.4670, 0.2261



19.6505, 0.5878, 0.3012



19.6505, 0.5900, 0.3835

Triad

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



19.6505, 0.5878, 0.3012



19.6505, 0.2582, 0.6201



19.6505, 0.1142, 0.1318

Complementary

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



19.6505, 0.5878, 0.3012



67.8346, 0.2510, 0.4235

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.



19.6505, 0.0892, 0.1665



19.6505, 0.5878, 0.3012



19.6505, 0.1518, 0.4564

Square

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



19.6505, 0.5878, 0.3012



19.6505, 0.3839, 0.5951



19.6505, 0.0975, 0.2647



19.6505, 0.1791, 0.1337

Rectangle

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



19.6505, 0.5878, 0.3012



19.6505, 0.5408, 0.4501



19.6505, 0.0975, 0.2647



19.6505, 0.1021, 0.1385

Sweetspot

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



19.6517, 0.5878, 0.3012



57.4602, 0.3615, 0.3070



15.6374, 0.2491, 0.1146



11.3398, 0.3711, 0.3038



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.



19.6517, 0.5878, 0.3012



21.7143, 0.5885, 0.3016



21.7768, 0.6170, 0.3483



16.5583, 0.3250, 0.3224



10.7040, 0.5839, 0.2990



0.9575, 0.5486, 0.2796

Inverse Universe

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



19.6517, 0.5878, 0.3012



21.7143, 0.5885, 0.3016



43.8629, 0.2046, 0.2564



16.5583, 0.3250, 0.3224



10.7040, 0.5839, 0.2990



0.9575, 0.5486, 0.2796

Previews

White Background



This preview shows how the Yxy color 19.6505, 0.5878, 0.3012 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 19.6505, 0.5878, 0.3012 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 19.6505, 0.5878, 0.3012

Background



This preview shows how black text looks on a background with the Yxy color 19.6505, 0.5878, 0.3012.



This preview shows how white text looks on a background with the Yxy color 19.6505, 0.5878, 0.3012.

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

19.6505, 0.5878, 0.3012

Protanopia

20.1802, 0.3483, 0.3716

Deuteranopia

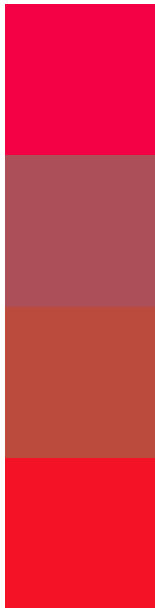
20.1027, 0.4359, 0.4276



Tritanopia

19.9393, 0.6249, 0.3321

Trichromacy



Original Color

19.6505, 0.5878, 0.3012

Protanomaly

15.0839, 0.4510, 0.3148

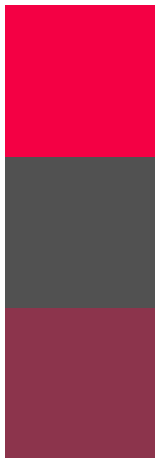
Deuteranomaly

15.9232, 0.5197, 0.3474

Tritanomaly

19.6272, 0.6172, 0.3228

Monochromacy



Original Color

19.6505, 0.5878, 0.3012

Achromatopsia

8.2283, 0.3127, 0.3290

Achromatomaly

8.5532, 0.4496, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6505, 0.5878, 0.3012 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(244, 0, 68)` looks like.

```
.text, #text, p{  
    color:rgb(244, 0, 68)  
}
```

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(244, 0, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 0, 68) }
```

Border

The CSS property to change the border of an element to Yxy 19.6505, 0.5878, 0.3012 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(244, 0, 68) }
```

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

```
.border{ border-color:rgb(244, 0, 68) }
```

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

Here you see how a box with a 4 pixel rgb(244, 0, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 0, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 0, 68);  
box-shadow:4px 4px 4px 4px rgb(244, 0, 68)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.6505, 0.5878, 0.3012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 0, 68) }
```

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

```
.background{ background-color: rgb(244, 0,  
68) }
```

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