

Converting Colors

$Yxy(21.8200, 0.5894, 0.3057)$

Have a look what the booklet for
Yxy(21.8200, 0.5894, 0.3057)
contains.

Yxy(21.8298, 0.5896, 0.3058)	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(21.8298, 0.5896, 0.3058)

Conversions

Conversions Part 1

Format	Color
Hex	FE0F44
RGB	254, 15, 68
RGB Percent	100%, 6%, 27%
CMY	0.0039, 0.9411, 0.7333
CMYK	0.00, 0.94, 0.73, 0.00
HSL	347°, 99%, 53%
HSV	347°, 94%, 100%
XYZ	42.0891, 21.8298, 7.4670
YIQ	92.5030, 125.4310, 67.1510

Conversions

Conversions Part 2

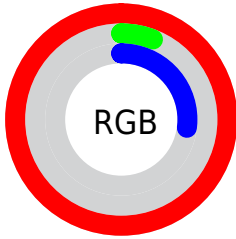
Format	Color
R_{YB}	254, 15, 68
Decimal	16650052
CIE Lab	53.85, 80.05, 38.56
CIE LCh	54, 88.851, 25.721
Yxy	21.8298, 0.5896, 0.3058
Android (android.graphics.Color)	4294840132 (0xFFFE0F44)
YUV	92.5030, -12.0800, 141.6329
Hunter-Lab	46.7224, 79.0348, 23.2302

Details

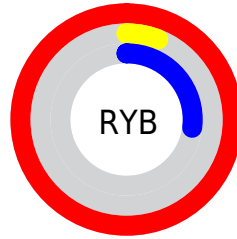
The Yxy color **21.8298, 0.5896, 0.3058** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **75.2049, 0.2447, 0.3985**, and the grayscale version is **10.8334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6353, 0.4864, 0.3144**, and **10.7616, 0.6230, 0.3206** is the 20% darker color. If you saturate the color by 10%, you get **21.3605, 0.6057, 0.3110**, and if you desaturate by 10%, it is **23.3181, 0.5556, 0.2985**.

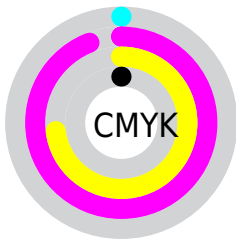
Distribution



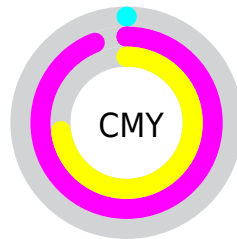
- Red (100%)
- Green (6%)
- Blue (27%)



- Red (100%)
- Yellow (6%)
- Blue (27%)



- Cyan (0%)
- Magenta (94%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (94%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8298, 0.5896, 0.3058 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 21.8298, 0.5896, 0.3058 by changing the saturation by 10% instead.


 21.8298, 0.5896,
0.3058


 21.8298, 0.5896,
0.3058


261.6562, 0.4385,
0.3317


 13.7319, 0.6278,
0.2936


 46.4645, 0.5333,
0.3193


 7.9344, 0.6752,
0.2747

 63.7701, 0.5124,
0.3232

 4.0530, 0.7415,
0.2476

 84.9138, 0.4949,
0.3259

 1.7033, 0.8023,
0.1977

 110.2798, 0.4801,
0.3278

 0.4258, 0.8902,
0.1098

 140.2527, 0.4674,
0.3293

 0.0000, 1.0000,
0.0000

175.2168, 0.4564,

 0.0000, 0.0000,

0.3303

0.0000

215.5565, 0.4469,
0.3311

■ 21.8298, 0.5896,
0.3058

■ 21.8298, 0.5896,
0.3058

■ 21.3605, 0.6057,
0.3110

■ 23.3181, 0.5556,
0.2985

■ 26.0192, 0.5158,
0.2950

■ 30.1306, 0.4750,
0.2952

■ 35.8132, 0.4370,
0.2983

■ 43.2058, 0.4035,
0.3032

■ 52.4320, 0.3754,
0.3090

■ 63.6039, 0.3522,
0.3151

■ 76.8245, 0.3333,
0.3211

■ 92.1896, 0.3181,
0.3268

Harmonies

Analogous

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



21.8298, 0.4749, 0.2304



21.8298, 0.5896, 0.3058



21.8298, 0.5861, 0.3888

Triad

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



21.8298, 0.5896, 0.3058



21.8298, 0.2524, 0.6141



21.8298, 0.1172, 0.1319

Complementary

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



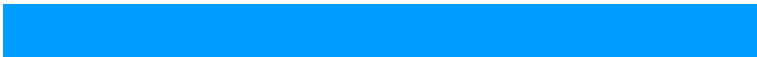
21.8298, 0.5896, 0.3058



75.2049, 0.2447, 0.3985

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.



21.8298, 0.0904, 0.1641



21.8298, 0.5896, 0.3058



21.8298, 0.1483, 0.4439

Square

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



21.8298, 0.5896, 0.3058



21.8298, 0.3770, 0.5984



21.8298, 0.0969, 0.2576



21.8298, 0.1847, 0.1354

Rectangle

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



21.8298, 0.5896, 0.3058



21.8298, 0.5346, 0.4556



21.8298, 0.0969, 0.2576



21.8298, 0.1045, 0.1379

Sweetspot

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



21.8312, 0.5896, 0.3058



59.5189, 0.3607, 0.3127



19.5362, 0.2649, 0.1250



11.7184, 0.3709, 0.3101



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.



21.8312, 0.5896, 0.3058



21.5510, 0.6058, 0.3111



26.6610, 0.5935, 0.3618



18.0530, 0.3259, 0.3237



11.2790, 0.6020, 0.3090



1.1137, 0.5713, 0.2921

Inverse Universe

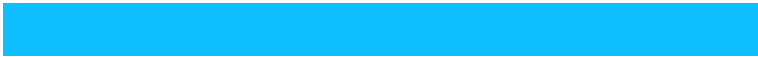
The Inverse Universe completely reimagines the original color for something new.



21.8312, 0.5896, 0.3058



21.5510, 0.6058, 0.3111



44.2028, 0.2018, 0.2440



18.0530, 0.3259, 0.3237



11.2790, 0.6020, 0.3090



1.1137, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 21.8298, 0.5896, 0.3058 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 21.8298, 0.5896, 0.3058 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 21.8298, 0.5896, 0.3058

Background



This preview shows how black text looks on a background with the Yxy color 21.8298, 0.5896, 0.3058.



This preview shows how white text looks on a background with the Yxy color 21.8298, 0.5896, 0.3058.

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

21.8298, 0.5896, 0.3058

Protanopia

22.0434, 0.3553, 0.3787

Deuteranopia

22.0188, 0.4391, 0.4303



Tritanopia

21.9286, 0.6235, 0.3322

Trichromacy



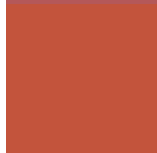
Original Color

21.8298, 0.5896, 0.3058



Protanomaly

17.4040, 0.4545, 0.3280



Deuteranomaly

18.2690, 0.5178, 0.3571



Tritanomaly

21.7311, 0.6155, 0.3244

Monochromacy



Original Color

21.8298, 0.5896, 0.3058



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

11.0961, 0.4419, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8298, 0.5896, 0.3058 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(254, 15, 68)` looks like.

```
.text, #text, p{  
  color:rgb(254, 15, 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(254, 15, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 15, 68) }
```

Border

The CSS property to change the border of an element to Yxy 21.8298, 0.5896, 0.3058 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(254, 15, 68) }
```

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

```
.border{ border-color:rgb(254, 15, 68) }
```

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

Here you see how a box with a 4 pixel rgb(254, 15, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 15, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 15, 68);  
box-shadow:4px 4px 4px 4px rgb(254, 15,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8298, 0.5896, 0.3058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 15, 68) }
```

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

```
.background{ background-color: rgb(254, 15,  
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