

Converting Colors

$Y_{xy}(21.1922, 0.5850, 0.3088)$

Have a look what the booklet for
Yxy(21.1922, 0.5850, 0.3088)
contains.

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Color

Yxy(21.1922, 0.5850, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	F81C43
RGB	248, 28, 67
RGB Percent	97%, 11%, 26%
CMY	0.0274, 0.8905, 0.7372
CMYK	0.00, 0.89, 0.73, 0.03
HSL	349°, 94%, 54%
HSV	349°, 89%, 97%
XYZ	40.1471, 21.1922, 7.2883
YIQ	98.2260, 118.6010, 58.7690

Conversions

Conversions Part 2

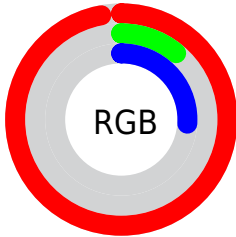
Format	Color
R_{YB}	248, 28, 67
Decimal	16260163
CIE _{Lab}	53.16, 77.05, 38.03
CIE _{LCh}	53, 85.929, 26.272
Yxy	21.1922, 0.5850, 0.3088
Android (android.graphics.Color)	4294450243 (0xFFFF81C43)
YUV	98.2260, -15.3944, 131.3518
Hunter-Lab	46.0350, 75.1087, 22.8377

Details

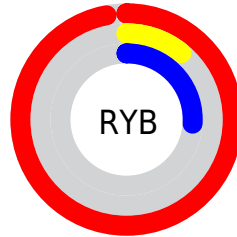
The Yxy color **21.1922, 0.5850, 0.3088** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **71.9959, 0.2406, 0.3803**, and the grayscale version is **12.2809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3984, 0.4853, 0.3190**, and **10.0110, 0.6228, 0.3205** is the 20% darker color. If you saturate the color by 10%, you get **20.2311, 0.6137, 0.3162**, and if you desaturate by 10%, it is **23.1775, 0.5469, 0.3039**.

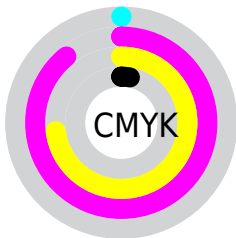
Distribution



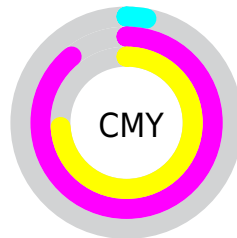
- Red (97%)
- Green (11%)
- Blue (26%)



- Red (97%)
- Yellow (11%)
- Blue (26%)



- Cyan (0%)
- Magenta (89%)
- Yellow (73%)
- Black (3%)





- Cyan (3%)
- Magenta (89%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1922, 0.5850, 0.3088 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 21.1922, 0.5850, 0.3088 by changing the saturation by 10% instead.


 21.1922, 0.5850,
0.3088


 21.1922, 0.5850,
0.3088


258.2982, 0.4354,
0.3329


 13.2646, 0.6233,
0.2970


 45.4072, 0.5290,
0.3217


 7.6110, 0.6709,
0.2784


 62.4633, 0.5083,
0.3252


 3.8470, 0.7395,
0.2518

 83.3311, 0.4910,
0.3277

 1.5884, 0.7996,
0.2004

 108.3949, 0.4764,
0.3295

 0.3497, 0.8984,
0.1016

 138.0391, 0.4639,
0.3308

 0.0000, 1.0000,
0.0000

172.6481, 0.4531,

 0.0000, 0.0000,

0.3317

0.0000

212.6063, 0.4437,
0.3324

■ 21.1922, 0.5850,
0.3088

■ 21.1922, 0.5850,
0.3088

■ 20.2311, 0.6137,
0.3162

■ 23.1775, 0.5469,
0.3039

■ 20.1434, 0.6166,
0.3171

■ 26.4220, 0.5044,
0.3022


■ 31.0933, 0.4626,
0.3033


■ 37.3321, 0.4246,
0.3065

■ 45.2619, 0.3921,
0.3108

 54.9942, 0.3651,
0.3156

 66.6307, 0.3431,
0.3205

 80.2656, 0.3254,
0.3252

 95.9868, 0.3111,
0.3295

Harmonies

Analogous

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



21.1922, 0.4743, 0.2337



21.1922, 0.5850, 0.3088



21.1922, 0.5810, 0.3916

Triad

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



21.1922, 0.5850, 0.3088



21.1922, 0.2527, 0.6051



21.1922, 0.1209, 0.1346

Complementary

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



21.1922, 0.5850, 0.3088



71.9959, 0.2406, 0.3803

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.



21.1922, 0.0936, 0.1662



21.1922, 0.5850, 0.3088



21.1922, 0.1503, 0.4374

Square

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



21.1922, 0.5850, 0.3088



21.1922, 0.3758, 0.5955



21.1922, 0.0997, 0.2573



21.1922, 0.1887, 0.1385

Rectangle

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



21.1922, 0.5850, 0.3088



21.1922, 0.5302, 0.4574



21.1922, 0.0997, 0.2573



21.1922, 0.1080, 0.1405

Sweetspot

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



21.1935, 0.5850, 0.3088



60.5358, 0.3610, 0.3164



20.9684, 0.2795, 0.1354



12.1256, 0.3694, 0.3148



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.



21.1935, 0.5850, 0.3088



21.4518, 0.6169, 0.3172



28.7095, 0.5668, 0.3761



17.2755, 0.3266, 0.3248



10.8932, 0.6134, 0.3153



1.0223, 0.5831, 0.2986

Inverse Universe

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



21.1935, 0.5850, 0.3088



21.4518, 0.6169, 0.3172



38.9956, 0.2001, 0.2335



17.2755, 0.3266, 0.3248



10.8932, 0.6134, 0.3153



1.0223, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 21.1922, 0.5850, 0.3088 looks on a white background.

Color Contrast Check

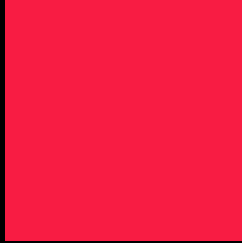
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1922, 0.5850, 0.3088 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 21.1922, 0.5850, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 21.1922, 0.5850, 0.3088.



This preview shows how white text looks on a background with the Yxy color 21.1922, 0.5850, 0.3088.

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

21.1922, 0.5850, 0.3088

Protanopia

21.2948, 0.3571, 0.3812

Deuteranopia

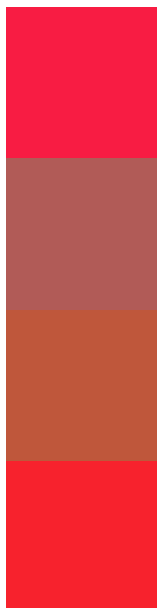
21.2102, 0.4386, 0.4306



Tritanopia

21.2071, 0.6143, 0.3316

Trichromacy



Original Color

21.1922, 0.5850, 0.3088

Protanomaly

17.5174, 0.4514, 0.3352

Deuteranomaly

18.2085, 0.5117, 0.3628

Tritanomaly

21.1077, 0.6063, 0.3248

Monochromacy



Original Color

21.1922, 0.5850, 0.3088

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.2255, 0.4317, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1922, 0.5850, 0.3088 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(248, 28, 67)` looks like.

```
.text, #text, p{  
    color:rgb(248, 28, 67)  
}
```

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(248, 28, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 28, 67) }
```

Border

The CSS property to change the border of an element to Yxy 21.1922, 0.5850, 0.3088 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(248, 28, 67) }
```

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

```
.border{ border-color:rgb(248, 28, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 28, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 28, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 28, 67);  
box-shadow:4px 4px 4px 4px rgb(248, 28,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1922, 0.5850, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 28, 67) }
```

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

```
.background{ background-color: rgb(248, 28,  
67) }
```

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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