

Converting Colors

$Y_{xy}(22.3078, 0.5862, 0.3067)$

Have a look what the booklet for
Yxy(22.3078, 0.5862, 0.3067)
contains.

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Color

Yxy(22.3150, 0.5857, 0.3064)

Conversions

Conversions Part 1

Format	Color
Hex	FF1746
RGB	255, 23, 70
RGB Percent	100%, 9%, 27%
CMY	0.0000, 0.9099, 0.7254
CMYK	0.00, 0.91, 0.73, 0.00
HSL	348°, 100%, 55%
HSV	348°, 91%, 100%
XYZ	42.6563, 22.3150, 7.8583
YIQ	97.7260, 123.1850, 63.8010

Conversions

Conversions Part 2

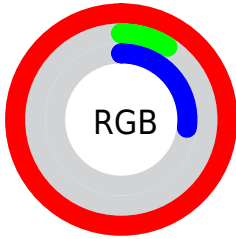
Format	Color
R_{YB}	255, 23, 70
Decimal	16717638
CIE _{Lab}	54.36, 79.54, 38.04
CIE _{LCh}	54, 88.166, 25.560
Yxy	22.3150, 0.5857, 0.3064
Android (android.graphics.Color)	4294907718 (0xFFFF1746)
YUV	97.7260, -13.6689, 137.9293
Hunter-Lab	47.2388, 78.5166, 23.2040

Details

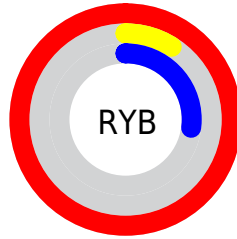
The Yxy color **22.3150, 0.5857, 0.3064** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.2526, 0.2428, 0.3899**, and the grayscale version is **12.1493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2685, 0.4821, 0.3151**, and **10.8979, 0.6211, 0.3195** is the 20% darker color. If you saturate the color by 10%, you get **21.5054, 0.6108, 0.3139**, and if you desaturate by 10%, it is **24.1565, 0.5493, 0.3004**.

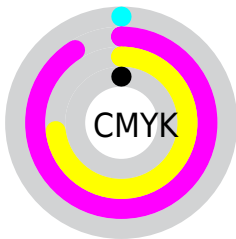
Distribution



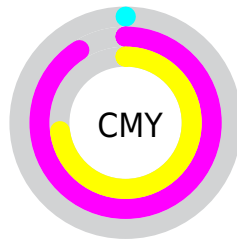
- Red (100%)
- Green (9%)
- Blue (27%)



- Red (100%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (91%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (91%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3150, 0.5857, 0.3064 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 22.3150, 0.5857, 0.3064 by changing the saturation by 10% instead.


 22.3150, 0.5857,
0.3064


 22.3150, 0.5857,
0.3064


264.1869, 0.4369,
0.3315


 14.0885, 0.6234,
0.2946


 47.2661, 0.5303,
0.3195


 8.1823, 0.6702,
0.2764


 64.7595, 0.5097,
0.3232

 4.2118, 0.7340,
0.2496

 86.1107, 0.4925,
0.3258

 1.7927, 0.7980,
0.2020

 111.7040, 0.4779,
0.3277

 0.4826, 0.8806,
0.1194

 141.9239, 0.4654,
0.3291

 0.0000, 1.0000,
0.0000

177.1547, 0.4546,

 0.0000, 0.0000,

0.3302

0.0000

217.7809, 0.4452,
0.3310

■ 22.3150, 0.5857,
0.3064

■ 22.3150, 0.5857,
0.3064

■ 21.5054, 0.6108,
0.3139


■ 24.1565, 0.5493,
0.3004


■ 27.2937, 0.5081,
0.2980


■ 31.9112, 0.4669,
0.2989


■ 38.1639, 0.4291,
0.3022

■ 46.1874, 0.3964,
0.3070

 56.1027, 0.3690,
0.3124

 68.0205, 0.3467,
0.3180

 82.0426, 0.3286,
0.3234

 98.2640, 0.3140,
0.3285

Harmonies

Analogous

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



22.3150, 0.4718, 0.2313



22.3150, 0.5857, 0.3064



22.3150, 0.5837, 0.3890

Triad

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



22.3150, 0.5857, 0.3064



22.3150, 0.2546, 0.6097



22.3150, 0.1188, 0.1338

Complementary

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



22.3150, 0.5857, 0.3064



76.2526, 0.2428, 0.3899

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.



22.3150, 0.0923, 0.1664



22.3150, 0.5857, 0.3064



22.3150, 0.1509, 0.4433

Square

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



22.3150, 0.5857, 0.3064



22.3150, 0.3784, 0.5951



22.3150, 0.0991, 0.2598



22.3150, 0.1857, 0.1371

Rectangle

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



22.3150, 0.5857, 0.3064



22.3150, 0.5333, 0.4548



22.3150, 0.0991, 0.2598



22.3150, 0.1062, 0.1400

Sweetspot

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



22.3140, 0.5857, 0.3064



60.6166, 0.3596, 0.3146



20.7716, 0.2707, 0.1294



12.1442, 0.3676, 0.3127



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.



22.3140, 0.5857, 0.3064



21.5054, 0.6108, 0.3139



28.4181, 0.5815, 0.3677



18.0473, 0.3262, 0.3242



11.2539, 0.6072, 0.3119



1.1105, 0.5773, 0.2954

Inverse Universe

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



22.3140, 0.5857, 0.3064



21.5054, 0.6108, 0.3139



43.9076, 0.2017, 0.2416



18.0473, 0.3262, 0.3242



11.2539, 0.6072, 0.3119



1.1105, 0.5773, 0.2954

Previews

White Background



This preview shows how the Yxy color 22.3150, 0.5857, 0.3064 looks on a white background.

Color Contrast Check

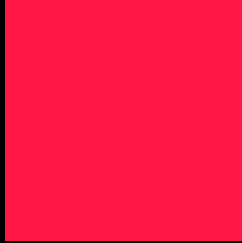
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3150, 0.5857, 0.3064 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 22.3150, 0.5857, 0.3064

Background



This preview shows how black text looks on a background with the Yxy color 22.3150, 0.5857, 0.3064.



This preview shows how white text looks on a background with the Yxy color 22.3150, 0.5857, 0.3064.

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

22.3150, 0.5857, 0.3064

Protanopia

22.4335, 0.3539, 0.3766

Deuteranopia

22.3921, 0.4374, 0.4287



Tritanopia

22.3666, 0.6186, 0.3317

Trichromacy



Original Color

22.3150, 0.5857, 0.3064

Protanomaly

18.0613, 0.4502, 0.3294

Deuteranomaly

18.9000, 0.5129, 0.3585

Tritanomaly

22.2403, 0.6094, 0.3240

Monochromacy



Original Color

22.3150, 0.5857, 0.3064

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

12.1796, 0.4343, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3150, 0.5857, 0.3064 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(255, 23, 70)` looks like.

```
.text, #text, p{  
    color:rgb(255, 23, 70)  
}
```

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(255, 23, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 23, 70) }
```

Border

The CSS property to change the border of an element to Yxy 22.3150, 0.5857, 0.3064 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(255, 23, 70) }
```

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

```
.border{ border-color:rgb(255, 23, 70) }
```

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

Here you see how a box with a 4 pixel rgb(255, 23, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 23, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 23, 70);  
box-shadow:4px 4px 4px 4px rgb(255, 23,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3150, 0.5857, 0.3064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 23, 70) }
```

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

```
.background{ background-color: rgb(255, 23,  
70) }
```

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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