

Converting Colors

$Yxy(22.2063, 0.5874, 0.3064)$

Have a look what the booklet for
Yxy(22.2063, 0.5874, 0.3064)
contains.

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Color

Yxy(22.2260, 0.5875, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	FF1545
RGB	255, 21, 69
RGB Percent	100%, 8%, 27%
CMY	0.0000, 0.9180, 0.7294
CMYK	0.00, 0.92, 0.73, 0.00
HSL	348°, 100%, 54%
HSV	348°, 92%, 100%
XYZ	42.5890, 22.2260, 7.6769
YIQ	96.4380, 124.0560, 64.5360

Conversions

Conversions Part 2

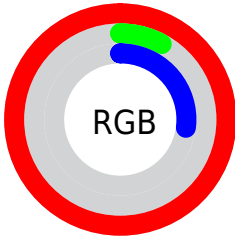
Format	Color
R _Y B	255, 21, 69
Decimal	16717125
CIE Lab	54.27, 79.74, 38.52
CIE LCh	54, 88.558, 25.787
Yxy	22.2260, 0.5875, 0.3066
Android (android.graphics.Color)	4294907205 (0xFFFF1545)
YUV	96.4380, -13.5269, 139.0589
Hunter-Lab	47.1445, 78.7490, 23.3465

Details

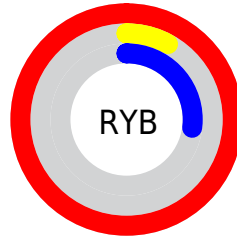
The Yxy color **22.2260, 0.5875, 0.3066** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.1791, 0.2431, 0.3913**, and the grayscale version is **11.8077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0471, 0.4839, 0.3152**, and **10.8934, 0.6222, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **21.5114, 0.6101, 0.3135**, and if you desaturate by 10%, it is **23.9726, 0.5517, 0.3003**.

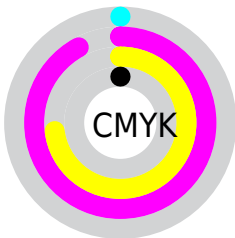
Distribution



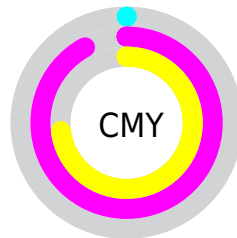
- Red (100%)
- Green (8%)
- Blue (27%)



- Red (100%)
- Yellow (8%)
- Blue (27%)



- Cyan (0%)
- Magenta (92%)
- Yellow (73%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2260, 0.5875, 0.3066 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 22.2260, 0.5875, 0.3066 by changing the saturation by 10% instead.


 22.2260, 0.5875,
0.3066

 22.2260, 0.5875,
0.3066


263.7242, 0.4378,
0.3319


 14.0231, 0.6253,
0.2947


 47.1192, 0.5318,
0.3198

 8.1367, 0.6722,
0.2762


 64.5783, 0.5111,
0.3236

 4.1825, 0.7368,
0.2494

 85.8916, 0.4937,
0.3262

 1.7762, 0.7990,
0.2010

 111.4434, 0.4790,
0.3281

 0.4723, 0.8825,
0.1175

 141.6182, 0.4665,
0.3295

 0.0000, 1.0000,
0.0000

176.8003, 0.4556,

 0.0000, 0.0000,

0.3305

0.0000

217.3742, 0.4461,
0.3313

■ 22.2260, 0.5875,
0.3066

■ 22.2260, 0.5875,
0.3066

■ 21.5114, 0.6101,
0.3135

■ 23.9726, 0.5517,
0.3003

■ 26.9997, 0.5108,
0.2976

■ 31.4929, 0.4695,
0.2983

■ 37.6092, 0.4315,
0.3015

■ 45.4853, 0.3985,
0.3063

■ 55.2432, 0.3709,
0.3117

■ 66.9943, 0.3482,
0.3174

■ 80.8410, 0.3299,
0.3229

■ 96.8788, 0.3151,
0.3281

Harmonies

Analogous

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



22.2260, 0.4739, 0.2314



22.2260, 0.5875, 0.3066



22.2260, 0.5843, 0.3894

Triad

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



22.2260, 0.5875, 0.3066



22.2260, 0.2531, 0.6110



22.2260, 0.1184, 0.1330

Complementary

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



22.2260, 0.5875, 0.3066



76.1791, 0.2431, 0.3913

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.



22.2260, 0.0916, 0.1652



22.2260, 0.5875, 0.3066



22.2260, 0.1495, 0.4424

Square

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



22.2260, 0.5875, 0.3066



22.2260, 0.3772, 0.5969



22.2260, 0.0981, 0.2582



22.2260, 0.1858, 0.1365

Rectangle

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



22.2260, 0.5875, 0.3066



22.2260, 0.5333, 0.4557



22.2260, 0.0981, 0.2582



22.2260, 0.1057, 0.1391

Sweetspot

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



22.2231, 0.5875, 0.3066



59.4647, 0.3617, 0.3139



20.6306, 0.2702, 0.1288



11.7058, 0.3722, 0.3115



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.



22.2231, 0.5875, 0.3066



21.5114, 0.6101, 0.3135



28.1693, 0.5837, 0.3670



18.0481, 0.3262, 0.3241



11.2572, 0.6065, 0.3115



1.1109, 0.5765, 0.2950

Inverse Universe

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



22.2231, 0.5875, 0.3066



21.5114, 0.6101, 0.3135



43.6348, 0.2013, 0.2408



18.0481, 0.3262, 0.3241



11.2572, 0.6065, 0.3115



1.1109, 0.5765, 0.2950

Previews

White Background



This preview shows how the Yxy color 22.2260, 0.5875, 0.3066 looks on a white background.

Color Contrast Check

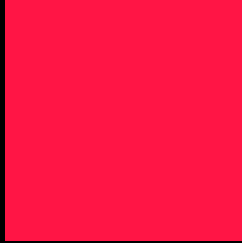
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2260, 0.5875, 0.3066 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 22.2260, 0.5875, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 22.2260, 0.5875, 0.3066.



This preview shows how white text looks on a background with the Yxy color 22.2260, 0.5875, 0.3066.

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

22.2260, 0.5875, 0.3066

Protanopia

22.4135, 0.3550, 0.3784

Deuteranopia

22.3822, 0.4384, 0.4299



Tritanopia

22.2424, 0.6207, 0.3316

Trichromacy



Original Color

22.2260, 0.5875, 0.3066



Protanomaly

17.8743, 0.4526, 0.3294



Deuteranomaly

18.8891, 0.5142, 0.3595



Tritanomaly

22.1240, 0.6119, 0.3243

Monochromacy



Original Color

22.2260, 0.5875, 0.3066



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.7982, 0.4381, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2260, 0.5875, 0.3066 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, 21, 69)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 69)  
}
```

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, 21, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 69) }
```

Border

The CSS property to change the border of an element to Yxy 22.2260, 0.5875, 0.3066 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, 21, 69) }
```

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

```
.border{ border-color:rgb(255, 21, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 21, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2260, 0.5875, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 21, 69) }
```

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

```
.background{ background-color: rgb(255, 21,  
69) }
```

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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