

Converting Colors

$Y_{xy}(22.2226, 0.5849, 0.3050)$

Have a look what the booklet for
Yxy(22.2226, 0.5849, 0.3050)
contains.

Yxy(22.2513, 0.5849, 0.3052)	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(22.2513, 0.5849, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	FF1547
RGB	255, 21, 71
RGB Percent	100%, 8%, 28%
CMY	0.0000, 0.9173, 0.7215
CMYK	0.00, 0.92, 0.72, 0.00
HSL	347°, 100%, 54%
HSV	347°, 92%, 100%
XYZ	42.6435, 22.2513, 8.0125
YIQ	96.6660, 123.4140, 65.1580

Conversions

Conversions Part 2

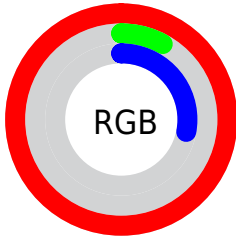
Format	Color
RYB	255, 21, 71
Decimal	16717127
CIELab	54.29, 79.79, 37.38
CIElCh	54, 88.111, 25.105
Yxy	22.2513, 0.5849, 0.3052
Android (android.graphics.Color)	4294907207 (0xFFFF1547)
YUV	96.6660, -12.6533, 138.8589
Hunter-Lab	47.1713, 78.8166, 22.9489

Details

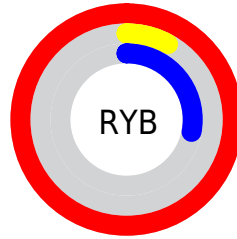
The Yxy color **22.2513, 0.5849, 0.3052** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **76.0839, 0.2438, 0.3939**, and the grayscale version is **11.8892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0947, 0.4814, 0.3132**, and **10.9027, 0.6200, 0.3189** is the 20% darker color. If you saturate the color by 10%, you get **21.5285, 0.6080, 0.3123**, and if you desaturate by 10%, it is **24.0146, 0.5491, 0.2988**.

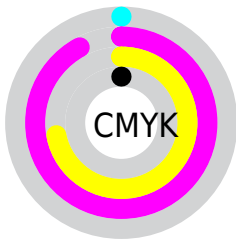
Distribution



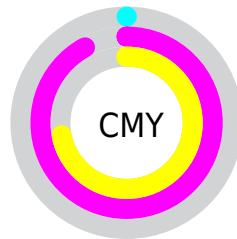
- Red (100%)
- Green (8%)
- Blue (28%)



- Red (100%)
- Yellow (8%)
- Blue (28%)



- Cyan (0%)
- Magenta (92%)
- Yellow (72%)
- Black (0%)





- Cyan (0%)
- Magenta (92%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2513, 0.5849, 0.3052 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 22.2513, 0.5849, 0.3052 by changing the saturation by 10% instead.


 22.2513, 0.5849,
0.3052


 22.2513, 0.5849,
0.3052


263.8558, 0.4364,
0.3308


 14.0417, 0.6227,
0.2934


 47.1610, 0.5295,
0.3184


 8.1497, 0.6697,
0.2752


 64.6298, 0.5089,
0.3221


 4.1909, 0.7332,
0.2482

 85.9539, 0.4917,
0.3248

 1.7809, 0.7990,
0.2010

 111.5175, 0.4772,
0.3268

 0.4752, 0.8822,
0.1178

 141.7051, 0.4647,
0.3282

 0.0000, 1.0000,
0.0000

176.9011, 0.4540,

 0.0000, 0.0000,

0.3293

0.0000

217.4899, 0.4446,
0.3301

■ 22.2513, 0.5849,
0.3052

■ 22.2513, 0.5849,
0.3052

■ 21.5285, 0.6080,
0.3123


■ 24.0146, 0.5491,
0.2988

■ 27.0541, 0.5084,
0.2962

■ 31.5591, 0.4675,
0.2970


■ 37.6862, 0.4300,
0.3004

■ 45.5717, 0.3974,
0.3054

 55.3375, 0.3701,
0.3111

 67.0946, 0.3477,
0.3170

 80.9454, 0.3296,
0.3227

 96.9850, 0.3149,
0.3281

Harmonies

Analogous

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



22.2513, 0.4695, 0.2302



22.2513, 0.5849, 0.3052



22.2513, 0.5846, 0.3876

Triad

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



22.2513, 0.5849, 0.3052



22.2513, 0.2564, 0.6110



22.2513, 0.1181, 0.1340

Complementary

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



22.2513, 0.5849, 0.3052



76.0839, 0.2438, 0.3939

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.



22.2513, 0.0921, 0.1672



22.2513, 0.5849, 0.3052



22.2513, 0.1521, 0.4466

Square

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



22.2513, 0.5849, 0.3052



22.2513, 0.3803, 0.5939



22.2513, 0.0995, 0.2618



22.2513, 0.1843, 0.1367

Rectangle

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



22.2513, 0.5849, 0.3052



22.2513, 0.5348, 0.4532



22.2513, 0.0995, 0.2618



22.2513, 0.1056, 0.1403

Sweetspot

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



22.2527, 0.5849, 0.3052



59.4913, 0.3612, 0.3133



20.6400, 0.2702, 0.1288



11.7120, 0.3715, 0.3108



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.



22.2527, 0.5849, 0.3052



21.5305, 0.6080, 0.3123



28.1869, 0.5835, 0.3671



18.0505, 0.3261, 0.3239



11.2677, 0.6043, 0.3103



1.1123, 0.5740, 0.2936

Inverse Universe

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



22.2527, 0.5849, 0.3052



21.5305, 0.6080, 0.3123



43.6530, 0.2014, 0.2408



18.0505, 0.3261, 0.3239



11.2677, 0.6043, 0.3103



1.1123, 0.5740, 0.2936

Previews

White Background



This preview shows how the Yxy color 22.2513, 0.5849, 0.3052 looks on a white background.

Color Contrast Check

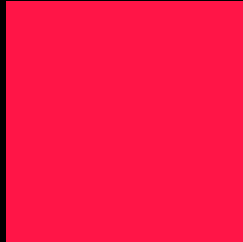
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2513, 0.5849, 0.3052 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 22.2513, 0.5849, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 22.2513, 0.5849, 0.3052.



This preview shows how white text looks on a background with the Yxy color 22.2513, 0.5849, 0.3052.

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

22.2513, 0.5849, 0.3052

Protanopia

22.3885, 0.3503, 0.3733

Deuteranopia

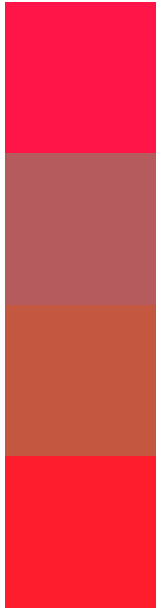
22.4022, 0.4365, 0.4276



Tritanopia

22.3036, 0.6197, 0.3317

Trichromacy



Original Color

22.2513, 0.5849, 0.3052

Protanomaly

17.9264, 0.4478, 0.3252

Deuteranomaly

18.9110, 0.5117, 0.3574

Tritanomaly

22.1314, 0.6111, 0.3238

Monochromacy



Original Color

22.2513, 0.5849, 0.3052

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.8308, 0.4341, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2513, 0.5849, 0.3052 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, 71)` looks like.

```
.text, #text, p{  
    color:rgb(255, 21, 71)  
}
```

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, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 21, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.2513, 0.5849, 0.3052 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, 71) }
```

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

```
.border{ border-color:rgb(255, 21, 71) }
```

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, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 21, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 21, 71);  
box-shadow:4px 4px 4px 4px rgb(255, 21,  
71) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.2513, 0.5849, 0.3052$ 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, 71) }
```

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

```
.background{ background-color: rgb(255, 21,  
71) }
```

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