

Converting Colors

$Yxy(22.4028, 0.5813, 0.3044)$

Have a look what the booklet for
Yxy(22.4028, 0.5813, 0.3044)
contains.

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Color

Yxy(22.3943, 0.5816, 0.3045)

Conversions

Conversions Part 1

Format	Color
Hex	FF1849
RGB	255, 24, 73
RGB Percent	100%, 9%, 29%
CMY	0.0000, 0.9060, 0.7136
CMYK	0.00, 0.91, 0.71, 0.00
HSL	347°, 100%, 55%
HSV	347°, 91%, 100%
XYZ	42.7735, 22.3943, 8.3767
YIQ	98.6550, 121.9470, 64.2110

Conversions

Conversions Part 2

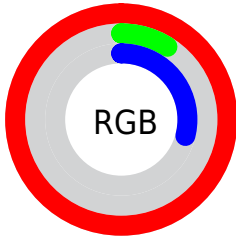
Format	Color
R_{YB}	255, 24, 73
Decimal	16717897
CIE Lab	54.44, 79.53, 36.39
CIE LCh	54, 87.459, 24.588
Yxy	22.3943, 0.5816, 0.3045
Android (android.graphics.Color)	4294907977 (0xFFFF1849)
YUV	98.6550, -12.6479, 137.1146
Hunter-Lab	47.3226, 78.5262, 22.6307

Details

The Yxy color **22.3943, 0.5816, 0.3045** 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 **76.1671, 0.2437, 0.3926**, and the grayscale version is **12.3913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3410, 0.4782, 0.3122**, and **10.9126, 0.6178, 0.3177** is the 20% darker color. If you saturate the color by 10%, you get **21.5278, 0.6083, 0.3125**, and if you desaturate by 10%, it is **24.2884, 0.5450, 0.2985**.

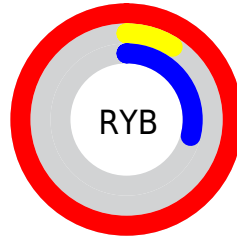
Distribution



Red (100%)

Green (9%)

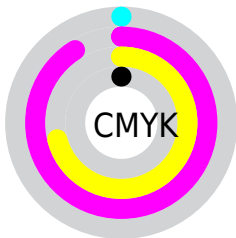
Blue (29%)



Red (100%)

Yellow (9%)

Blue (29%)

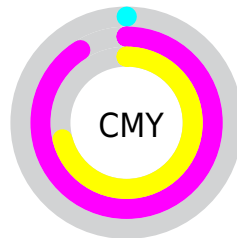


Cyan (0%)

Magenta (91%)

Yellow (71%)

Black (0%)



Cyan (0%)


Magenta (91%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.3943, 0.5816, 0.3045 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 22.3943, 0.5816, 0.3045 by changing the saturation by 10% instead.


 22.3943, 0.5816,
0.3045


 22.3943, 0.5816,
0.3045


264.5985, 0.4347,
0.3300


 14.1469, 0.6192,
0.2929


 47.3968, 0.5267,
0.3175

 8.2229, 0.6660,
0.2751


 64.9208, 0.5064,
0.3212


 4.2379, 0.7283,
0.2481

 86.3057, 0.4894,
0.3239

 1.8075, 0.7975,
0.2025

 111.9359, 0.4750,
0.3259

 0.4919, 0.8793,
0.1207

 142.1960, 0.4627,
0.3274

 0.0000, 1.0000,
0.0000

177.4701, 0.4521,

 0.0000, 0.0000,

0.3285

0.0000

218.1429, 0.4429,
0.3293

■ 22.3943, 0.5816,
0.3045

■ 22.3943, 0.5816,
0.3045

■ 21.5278, 0.6083,
0.3125

■ 24.2884, 0.5450,
0.2985

■ 27.4848, 0.5040,
0.2963

■ 32.1660, 0.4633,
0.2975


■ 38.4860, 0.4262,
0.3011

■ 46.5794, 0.3942,
0.3062

 56.5665, 0.3674,
0.3119

 68.5575, 0.3455,
0.3177

 82.6537, 0.3278,
0.3234

 98.9498, 0.3135,
0.3287

Harmonies

Analogous

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



22.3943, 0.4654, 0.2298



22.3943, 0.5816, 0.3045



22.3943, 0.5838, 0.3865

Triad

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



22.3943, 0.5816, 0.3045



22.3943, 0.2595, 0.6092



22.3943, 0.1185, 0.1354

Complementary

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



22.3943, 0.5816, 0.3045



76.1671, 0.2437, 0.3926

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.



22.3943, 0.0931, 0.1695



22.3943, 0.5816, 0.3045



22.3943, 0.1549, 0.4491

Square

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



22.3943, 0.5816, 0.3045



22.3943, 0.3828, 0.5907



22.3943, 0.1013, 0.2651



22.3943, 0.1836, 0.1376

Rectangle

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



22.3943, 0.5816, 0.3045



22.3943, 0.5352, 0.4513



22.3943, 0.1013, 0.2651



22.3943, 0.1063, 0.1420

Sweetspot

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



22.3934, 0.5816, 0.3045



60.6473, 0.3590, 0.3140



20.8431, 0.2709, 0.1297



12.1513, 0.3670, 0.3120



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.



22.3934, 0.5816, 0.3045



21.5278, 0.6083, 0.3125



28.5420, 0.5804, 0.3680



18.0502, 0.3261, 0.3240



11.2662, 0.6046, 0.3105



1.1121, 0.5744, 0.2938

Inverse Universe

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



22.3934, 0.5816, 0.3045



21.5278, 0.6083, 0.3125



44.0423, 0.2019, 0.2421



18.0502, 0.3261, 0.3240



11.2662, 0.6046, 0.3105



1.1121, 0.5744, 0.2938

Previews

White Background



This preview shows how the Yxy color 22.3943, 0.5816, 0.3045 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 22.3943, 0.5816, 0.3045 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 22.3943, 0.5816, 0.3045

Background



This preview shows how black text looks on a background with the Yxy color 22.3943, 0.5816, 0.3045.



This preview shows how white text looks on a background with the Yxy color 22.3943, 0.5816, 0.3045.

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

22.3943, 0.5816, 0.3045

Protanopia

22.6974, 0.3477, 0.3714

Deuteranopia

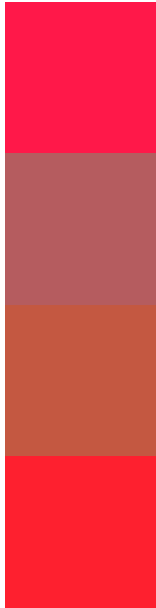
22.6749, 0.4336, 0.4265



Tritanopia

22.4369, 0.6169, 0.3314

Trichromacy



Original Color

22.3943, 0.5816, 0.3045

Protanomaly

18.3043, 0.4432, 0.3251

Deuteranomaly

19.0969, 0.5080, 0.3566

Tritanomaly

22.3091, 0.6073, 0.3233

Monochromacy



Original Color

22.3943, 0.5816, 0.3045

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.4408, 0.4312, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3943, 0.5816, 0.3045 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, 24, 73)` looks like.

```
.text, #text, p{  
    color:rgb(255, 24, 73)  
}
```

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, 24, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 24, 73) }
```

Border

The CSS property to change the border of an element to Yxy 22.3943, 0.5816, 0.3045 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, 24, 73) }
```

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

```
.border{ border-color:rgb(255, 24, 73) }
```

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

Here you see how a box with a 4 pixel rgb(255, 24, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 24, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 24, 73);  
box-shadow:4px 4px 4px 4px rgb(255, 24,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3943, 0.5816, 0.3045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 24, 73) }
```

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

```
.background{ background-color: rgb(255, 24,  
73) }
```

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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