

Converting Colors

$Y_{xy}(22.0599, 0.5887, 0.3101)$

Have a look what the booklet for
Yxy(22.0599, 0.5887, 0.3101)
contains.

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Color

Yxy(22.0599, 0.5887, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	FD1B42
RGB	253, 27, 66
RGB Percent	99%, 11%, 26%
CMY	0.0079, 0.8937, 0.7413
CMYK	0.00, 0.89, 0.74, 0.01
HSL	350°, 98%, 55%
HSV	350°, 89%, 99%
XYZ	41.8790, 22.0599, 7.1992
YIQ	99.0200, 122.1770, 60.0410

Conversions

Conversions Part 2

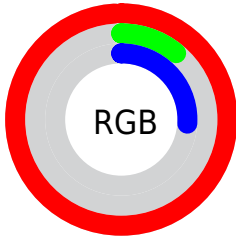
Format	Color
R_{YB}	253, 27, 66
Decimal	16587586
CIE Lab	54.09, 78.36, 39.97
CIE LCh	54, 87.964, 27.028
Yxy	22.0599, 0.5887, 0.3101
Android (android.graphics.Color)	4294777666 (0xFFFD1B42)
YUV	99.0200, -16.2789, 135.0405
Hunter-Lab	46.9680, 76.9654, 23.7897

Details

The Yxy color **22.0599, 0.5887, 0.3101** 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 **75.3374, 0.2401, 0.3790**, and the grayscale version is **12.5140, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3755, 0.4865, 0.3200**, and **10.6267, 0.6248, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **21.1087, 0.6165, 0.3174**, and if you desaturate by 10%, it is **24.0581, 0.5511, 0.3050**.

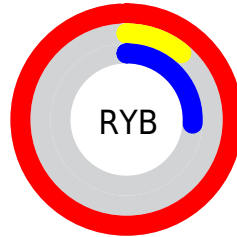
Distribution



Red (99%)

Green (11%)

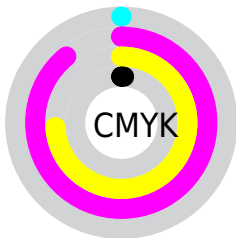
Blue (26%)



Red (99%)

Yellow (11%)

Blue (26%)

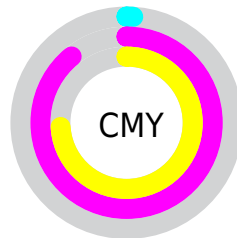


Cyan (0%)

Magenta (89%)

Yellow (74%)

Black (1%)



Cyan (1%)


Magenta (89%)


Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.0599, 0.5887, 0.3101 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 22.0599, 0.5887, 0.3101 by changing the saturation by 10% instead.


 22.0599, 0.5887,
0.3101


 22.0599, 0.5887,
0.3101


262.8589, 0.4384,
0.3341


 13.9009, 0.6265,
0.2983


 46.8450, 0.5329,
0.3230

 8.0518, 0.6731,
0.2797


 64.2399, 0.5121,
0.3266

 4.1281, 0.7398,
0.2535

 85.4822, 0.4947,
0.3291

 1.7455, 0.7969,
0.2031

 110.9563, 0.4799,
0.3308

 0.4528, 0.8829,
0.1171

 141.0467, 0.4673,
0.3321

 0.0000, 1.0000,
0.0000

 176.1376, 0.4563,

 0.0000, 0.0000,

0.3330

0.0000

216.6136, 0.4468,
0.3336

■ 22.0599, 0.5887,
0.3101

■ 22.0599, 0.5887,
0.3101

■ 21.1087, 0.6165,
0.3174

■ 24.0581, 0.5511,
0.3050

■ 21.0584, 0.6181,
0.3179

■ 27.3651, 0.5085,
0.3031

■ 32.1587, 0.4661,
0.3040

■ 38.5883, 0.4276,
0.3070

■ 46.7846, 0.3944,
0.3111

■ 56.8652, 0.3669,
0.3158

■ 68.9377, 0.3445,
0.3205

■ 83.1013, 0.3264,
0.3250

99.4487, 0.3118,
0.3293

Harmonies

Analogous

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



22.0599, 0.4797, 0.2347



22.0599, 0.5887, 0.3101



22.0599, 0.5813, 0.3934

Triad

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



22.0599, 0.5887, 0.3101



22.0599, 0.2486, 0.6061



22.0599, 0.1208, 0.1331

Complementary

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



22.0599, 0.5887, 0.3101



75.3374, 0.2401, 0.3790

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.



22.0599, 0.0926, 0.1635



22.0599, 0.5887, 0.3101



22.0599, 0.1468, 0.4330

Square

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



22.0599, 0.5887, 0.3101



22.0599, 0.3722, 0.5994



22.0599, 0.0977, 0.2530



22.0599, 0.1901, 0.1378

Rectangle

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



22.0599, 0.5887, 0.3101



22.0599, 0.5288, 0.4602



22.0599, 0.0977, 0.2530



22.0599, 0.1076, 0.1386

Sweetspot

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



22.0613, 0.5887, 0.3101



60.5181, 0.3614, 0.3168



21.8130, 0.2792, 0.1349



12.1216, 0.3698, 0.3152



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.



22.0613, 0.5887, 0.3101



21.4409, 0.6182, 0.3179



29.8131, 0.5687, 0.3757



18.0381, 0.3267, 0.3249



11.2181, 0.6149, 0.3161



1.1057, 0.5866, 0.3005

Inverse Universe

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



22.0613, 0.5887, 0.3101



21.4409, 0.6182, 0.3179



40.5582, 0.1997, 0.2327



18.0381, 0.3267, 0.3249



11.2181, 0.6149, 0.3161



1.1057, 0.5866, 0.3005

Previews

White Background



This preview shows how the Yxy color 22.0599, 0.5887, 0.3101 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 22.0599, 0.5887, 0.3101 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 22.0599, 0.5887, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 22.0599, 0.5887, 0.3101.



This preview shows how white text looks on a background with the Yxy color 22.0599, 0.5887, 0.3101.

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

22.0599, 0.5887, 0.3101

Protanopia

22.3173, 0.3607, 0.3873

Deuteranopia

22.3446, 0.4419, 0.4344



Tritanopia

22.0615, 0.6165, 0.3315

Trichromacy



Original Color

22.0599, 0.5887, 0.3101



Protanomaly

18.2039, 0.4551, 0.3393



Deuteranomaly

19.0423, 0.5158, 0.3663



Tritanomaly

21.9650, 0.6090, 0.3251

Monochromacy



Original Color

22.0599, 0.5887, 0.3101



Achromatopsia

12.4772, 0.3127, 0.3290



Achromatomaly

12.4218, 0.4348, 0.3065

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0599, 0.5887, 0.3101 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(253, 27, 66)` looks like.

```
.text, #text, p{  
    color:rgb(253, 27, 66)  
}
```

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(253, 27, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 27, 66) }
```

Border

The CSS property to change the border of an element to Yxy 22.0599, 0.5887, 0.3101 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(253, 27, 66) }
```

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

```
.border{ border-color:rgb(253, 27, 66) }
```

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

Here you see how a box with a 4 pixel rgb(253, 27, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 27, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 27, 66);  
box-shadow:4px 4px 4px 4px rgb(253, 27,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0599, 0.5887, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 27, 66) }
```

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

```
.background{ background-color: rgb(253, 27,  
66) }
```

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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