

Converting Colors

$Yxy(22.4738, 0.5858, 0.3083)$

Have a look what the booklet for
Yxy(22.4738, 0.5858, 0.3083)
contains.

Yxy(22.4735, 0.5858, 0.3083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4735, 0.5858, 0.3083)

Conversions

Conversions Part 1

Format	Color
Hex	FF1B45
RGB	255, 27, 69
RGB Percent	100%, 11%, 27%
CMY	0.0001, 0.8937, 0.7294
CMYK	0.00, 0.89, 0.73, 0.00
HSL	349°, 100%, 55%
HSV	349°, 89%, 100%
XYZ	42.7018, 22.4735, 7.7196
YIQ	99.9600, 122.4060, 61.3980

Conversions

Conversions Part 2

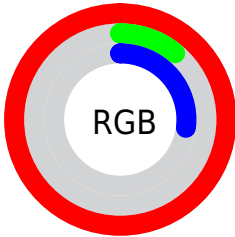
Format	Color
R_{YB}	255, 27, 69
Decimal	16718661
CIE Lab	54.53, 78.96, 38.82
CIE LCh	55, 87.984, 26.181
Yxy	22.4735, 0.5858, 0.3083
Android (android.graphics.Color)	4294908741 (0xFFFF1B45)
YUV	99.9600, -15.2633, 135.9701
Hunter-Lab	47.4062, 77.8255, 23.5296

Details

The Yxy color **22.4735, 0.5858, 0.3083** 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 **76.5507, 0.2411, 0.3827**, and the grayscale version is **12.7637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.4450, 0.4827, 0.3170**, and **10.8934, 0.6222, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **21.5065, 0.6140, 0.3160**, and if you desaturate by 10%, it is **24.5014, 0.5482, 0.3030**.

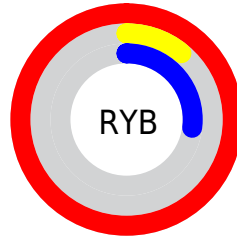
Distribution



Red (100%)

Green (11%)

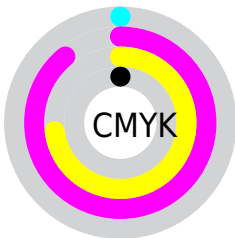
Blue (27%)



Red (100%)

Yellow (11%)

Blue (27%)

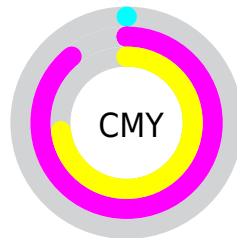


Cyan (0%)

Magenta (89%)

Yellow (73%)

Black (0%)



Cyan (0%)

Magenta (89%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4735, 0.5858, 0.3083 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 22.4735, 0.5858, 0.3083 by changing the saturation by 10% instead.


 22.4735, 0.5858,
0.3083


 22.4735, 0.5858,
0.3083


265.0091, 0.4372,
0.3326


 14.2052, 0.6233,
0.2967


 47.5274, 0.5306,
0.3212


 8.2635, 0.6698,
0.2786


 65.0817, 0.5100,
0.3247

 4.2640, 0.7336,
0.2521

 86.5003, 0.4928,
0.3273

 1.8223, 0.7957,
0.2043

 112.1674, 0.4782,
0.3291

 0.5010, 0.8769,
0.1231

 142.4674, 0.4657,
0.3304

 0.0000, 1.0000,
0.0000

177.7848, 0.4549,

 0.0000, 0.0000,

0.3314

0.0000

218.5039, 0.4455,
0.3321

■ 22.4735, 0.5858,
0.3083

■ 22.4735, 0.5858,
0.3083

■ 21.5065, 0.6140,
0.3160

■ 24.5014, 0.5482,
0.3030

■ 21.4611, 0.6155,
0.3164

■ 27.8585, 0.5060,
0.3011

■ 32.7262, 0.4642,
0.3022

■ 39.2564, 0.4262,
0.3054

■ 47.5823, 0.3935,
0.3098

■ 57.8237, 0.3663,
0.3148

■ 70.0898, 0.3442,
0.3198

■ 84.4818, 0.3263,
0.3247

■ 99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



22.4735, 0.4744, 0.2332



22.4735, 0.5858, 0.3083



22.4735, 0.5819, 0.3911

Triad

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



22.4735, 0.5858, 0.3083



22.4735, 0.2526, 0.6066



22.4735, 0.1202, 0.1341

Complementary

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



22.4735, 0.5858, 0.3083



76.5507, 0.2411, 0.3827

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.



22.4735, 0.0931, 0.1658



22.4735, 0.5858, 0.3083



22.4735, 0.1499, 0.4384

Square

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



22.4735, 0.5858, 0.3083



22.4735, 0.3760, 0.5960



22.4735, 0.0992, 0.2574



22.4735, 0.1881, 0.1380

Rectangle

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



22.4735, 0.5858, 0.3083



22.4735, 0.5308, 0.4570



22.4735, 0.0992, 0.2574



22.4735, 0.1074, 0.1400

Sweetspot

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



22.4749, 0.5858, 0.3083



60.5559, 0.3607, 0.3160



21.6218, 0.2754, 0.1328



12.1303, 0.3689, 0.3143



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.



22.4749, 0.5858, 0.3083



21.4645, 0.6155, 0.3164



29.6045, 0.5730, 0.3723



18.0416, 0.3265, 0.3247



11.2312, 0.6121, 0.3145



1.1075, 0.5831, 0.2986

Inverse Universe

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



22.4749, 0.5858, 0.3083



21.4645, 0.6155, 0.3164



42.8317, 0.2011, 0.2380



18.0416, 0.3265, 0.3247



11.2312, 0.6121, 0.3145



1.1075, 0.5831, 0.2986

Previews

White Background



This preview shows how the Yxy color 22.4735, 0.5858, 0.3083 looks on a white background.

Color Contrast Check

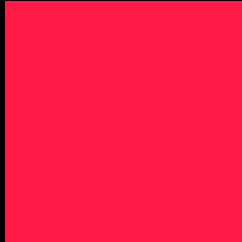
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4735, 0.5858, 0.3083 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 22.4735, 0.5858, 0.3083

Background



This preview shows how black text looks on a background with the Yxy color 22.4735, 0.5858, 0.3083.

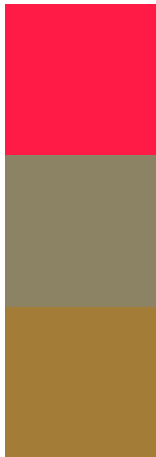


This preview shows how white text looks on a background with the Yxy color 22.4735, 0.5858, 0.3083.

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

22.4735, 0.5858, 0.3083

Protanopia

22.7476, 0.3570, 0.3816

Deuteranopia

22.7393, 0.4385, 0.4307



Tritanopia

22.5038, 0.6158, 0.3315

Trichromacy



Original Color

22.4735, 0.5858, 0.3083

Protanomaly

18.4951, 0.4530, 0.3350

Deuteranomaly

19.2174, 0.5120, 0.3620

Tritanomaly

22.3558, 0.6078, 0.3242

Monochromacy



Original Color

22.4735, 0.5858, 0.3083

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.5543, 0.4325, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4735, 0.5858, 0.3083 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, 27, 69)` looks like.

```
.text, #text, p{  
  color:rgb(255, 27, 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, 27, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 27, 69) }
```

Border

The CSS property to change the border of an element to Yxy 22.4735, 0.5858, 0.3083 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, 27, 69) }
```

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

```
.border{ border-color:rgb(255, 27, 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, 27, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 27, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 27, 69);  
box-shadow:4px 4px 4px 4px rgb(255, 27,  
69) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.4735, 0.5858, 0.3083$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 27, 69) }
```

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

```
.background{ background-color: rgb(255, 27,  
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](#).

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