

Converting Colors

Yxy(22.5912, 0.5146, 0.2608)

Have a look what the booklet for
Yxy(22.5912, 0.5146, 0.2608)
contains.

Yxy(22.5919, 0.5145, 0.2608)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.5919, 0.5145, 0.2608)

Conversions

Conversions Part 1

Format	Color
Hex	FF0077
RGB	255, 0, 119
RGB Percent	100%, 0%, 47%
CMY	0.0000, 0.9996, 0.5333
CMYK	0.00, 1.00, 0.53, 0.00
HSL	332°, 100%, 50%
HSV	332°, 100%, 100%
XYZ	44.5688, 22.5919, 19.4647
YIQ	89.8110, 113.7810, 91.0690

Conversions

Conversions Part 2

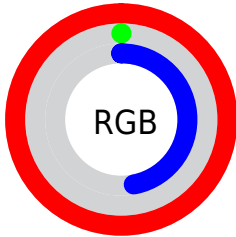
Format	Color
R_{YB}	255, 0, 119
Decimal	16711799
CIE _{Lab}	54.65, 83.93, 9.14
CIE _{LCh}	55, 84.422, 6.218
Yxy	22.5919, 0.5145, 0.2608
Android (android.graphics.Color)	4294901879 (0xFFFF0077)
YUV	89.8110, 14.3902, 144.8708
Hunter-Lab	47.5309, 84.1966, 8.9914

Details

The Yxy color **22.5919, 0.5145, 0.2608** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **73.2981, 0.2701, 0.4924**, and the grayscale version is **10.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.1240, 0.4135, 0.2582**, and **11.5313, 0.5498, 0.2802** is the 20% darker color. If you saturate the color by 10%, you get **22.5899, 0.5146, 0.2608**, and if you desaturate by 10%, it is **23.6629, 0.4890, 0.2526**.

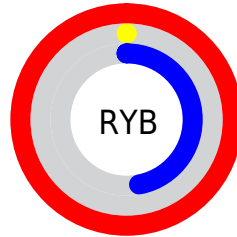
Distribution



Red (100%)

Green (0%)

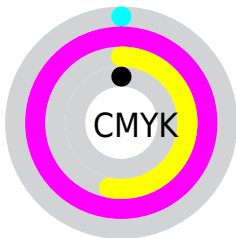
Blue (47%)



Red (100%)

Yellow (0%)

Blue (47%)

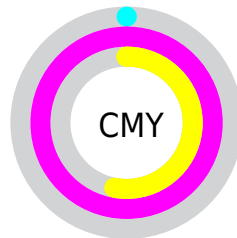


Cyan (0%)

Magenta (100%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (100%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.5919, 0.5145, 0.2608 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 22.5919, 0.5145, 0.2608 by changing the saturation by 10% instead.


 22.5919, 0.5145,
0.2608


 22.5919, 0.5145,
0.2608


265.6219, 0.4030,
0.3008


 14.2925, 0.5453,
0.2488


 47.7224, 0.4717,
0.2768


 8.3244, 0.5861,
0.2324


 65.3222, 0.4562,
0.2824

 4.3032, 0.6418,
0.2087

 86.7909, 0.4435,
0.2869

 1.8446, 0.7201,
0.1732

 112.5129, 0.4328,
0.2907

 0.5147, 0.8843,
0.1157

 142.8726, 0.4237,
0.2938

 0.0000, 1.0000,
0.0000

178.2544, 0.4158,

 0.0000, 0.0000,

0.2965

0.0000

219.0427, 0.4090,
0.2988

■ 22.5919, 0.5145,
0.2608

■ 22.5919, 0.5145,
0.2608

■ 22.5899, 0.5146,
0.2608

■ 23.6629, 0.4890,
0.2526

■ 25.7173, 0.4621,
0.2495

■ 29.0424, 0.4351,
0.2517

■ 33.8145, 0.4095,
0.2584

■ 40.1814, 0.3864,
0.2682

■ 48.2728, 0.3662,
0.2799

■ 58.2046, 0.3490,
0.2925

■ 70.0828, 0.3345,
0.3051

■ 84.0051, 0.3226,
0.3174

Harmonies

Analogous

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



22.5919, 0.3634, 0.1940



22.5919, 0.5145, 0.2608



22.5919, 0.5872, 0.3372

Triad

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



22.5919, 0.5145, 0.2608



22.5919, 0.3370, 0.6064



22.5919, 0.1038, 0.1558

Complementary

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



22.5919, 0.5145, 0.2608



73.2981, 0.2701, 0.4924

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.



22.5919, 0.0990, 0.2225



22.5919, 0.5145, 0.2608



22.5919, 0.2192, 0.5548

Square

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



22.5919, 0.5145, 0.2608



22.5919, 0.4567, 0.5265



22.5919, 0.1331, 0.3684



22.5919, 0.1426, 0.1373

Rectangle

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



22.5919, 0.5145, 0.2608



22.5919, 0.5743, 0.3930



22.5919, 0.1331, 0.3684



22.5919, 0.0985, 0.1713

Sweetspot

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



22.5933, 0.5145, 0.2608



58.1646, 0.3490, 0.2924



12.4598, 0.2071, 0.0915



11.5044, 0.3559, 0.2871



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.



22.5933, 0.5145, 0.2608



22.5907, 0.5146, 0.2608



21.4460, 0.6384, 0.3313



18.1281, 0.3221, 0.3180



11.8337, 0.5107, 0.2587



1.1740, 0.4834, 0.2437

Inverse Universe

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



22.5933, 0.5145, 0.2608



22.5907, 0.5146, 0.2608



73.4359, 0.2218, 0.3184



18.1281, 0.3221, 0.3180



11.8337, 0.5107, 0.2587



1.1740, 0.4834, 0.2437

Previews

White Background



This preview shows how the Yxy color 22.5919, 0.5145, 0.2608 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 22.5919, 0.5145, 0.2608 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 22.5919, 0.5145, 0.2608

Background



This preview shows how black text looks on a background with the Yxy color 22.5919, 0.5145, 0.2608.



This preview shows how white text looks on a background with the Yxy color 22.5919, 0.5145, 0.2608.

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

22.5919, 0.5145, 0.2608

Protanopia

23.2761, 0.2634, 0.2615

Deuteranopia

23.0338, 0.3669, 0.3607



Tritanopia

22.9337, 0.5994, 0.3299

Trichromacy



Original Color

22.5919, 0.5145, 0.2608



Protanomaly

17.0325, 0.3410, 0.2285



Deuteranomaly

18.0019, 0.4338, 0.2881



Tritanomaly

22.2922, 0.5789, 0.3060

Monochromacy



Original Color

22.5919, 0.5145, 0.2608



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.3499, 0.4079, 0.2576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.5919, 0.5145, 0.2608 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, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 119)  
}
```

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, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 119) }
```

Border

The CSS property to change the border of an element to Yxy 22.5919, 0.5145, 0.2608 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, 0, 119) }
```

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

```
.border{ border-color:rgb(255, 0, 119) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 22.5919, 0.5145, 0.2608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 119) }
```

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

```
.background{ background-color: rgb(255, 0,  
119) }
```

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