

Converting Colors

$Y_{xy}(25.8139, 0.4569, 0.2463)$

Have a look what the booklet for
Yxy(25.8139, 0.4569, 0.2463)
contains.

Yxy(25.8297, 0.4562, 0.2458)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.8297, 0.4562, 0.2458)

Conversions

Conversions Part 1

Format	Color
Hex	FF3396
RGB	255, 51, 150
RGB Percent	100%, 20%, 59%
CMY	0.0000, 0.8003, 0.4117
CMYK	0.00, 0.80, 0.41, 0.00
HSL	331°, 100%, 60%
HSV	331°, 80%, 100%
XYZ	47.9394, 25.8297, 31.3151
YIQ	123.2820, 89.8050, 74.0370

Conversions

Conversions Part 2

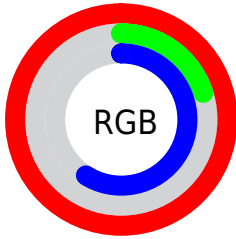
Format	Color
R _Y B	255, 51, 150
Decimal	16724886
CIE Lab	57.88, 79.58, -4.65
CIE LCh	58, 79.713, 356.659
Yxy	25.8297, 0.4562, 0.2458
Android (android.graphics.Color)	4294914966 (0xFFFF3396)
YUV	123.2820, 13.1720, 115.5167
Hunter-Lab	50.8229, 79.4324, -0.9561

Details

The Yxy color **25.8297, 0.4562, 0.2458** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **74.6200, 0.2673, 0.4627**, and the grayscale version is **19.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.8133, 0.3692, 0.2440**, and **12.1073, 0.4899, 0.2472** is the 20% darker color. If you saturate the color by 10%, you get **23.7768, 0.4819, 0.2485**, and if you desaturate by 10%, it is **29.1377, 0.4304, 0.2484**.

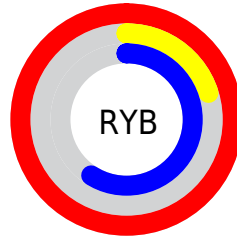
Distribution



Red (100%)

Green (20%)

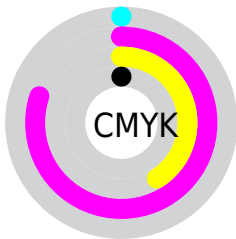
Blue (59%)



Red (100%)

Yellow (20%)

Blue (59%)

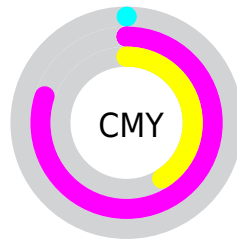


Cyan (0%)

Magenta (80%)

Yellow (41%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8297, 0.4562, 0.2458 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 25.8297, 0.4562, 0.2458 by changing the saturation by 10% instead.


 25.8297, 0.4562,
0.2458


 25.8297, 0.4562,
0.2458


281.9451, 0.3792,
0.2896


 16.6963, 0.4770,
0.2343


 53.0001, 0.4270,
0.2622


 10.0182, 0.5044,
0.2192


 71.8058, 0.4164,
0.2682


 5.4110, 0.5422,
0.1989


 94.6045, 0.4076,
0.2732

 2.4904, 0.5966,
0.1702

 121.7804, 0.4002,
0.2775

 0.8718, 0.6794,
0.1282

 153.7181, 0.3938,
0.2812

 0.0000, 0.9677,
0.0000

190.8018, 0.3883,

 0.0000, 1.0000,

0.2844

0.0000


233.4160, 0.3834,
0.2872


 0.0000, 0.0000,
0.0000


 25.8297, 0.4562,
0.2458


 25.8297, 0.4562,
0.2458


 23.7768, 0.4819,
0.2485


 29.1377, 0.4304,
0.2484

 22.7102, 0.5064,
0.2563

 33.8941, 0.4059,
0.2555

 40.2411, 0.3838,
0.2658

 48.3082, 0.3644,
0.2779

 58.2113, 0.3478,
0.2910

 70.0562, 0.3339,
0.3041

 83.9407, 0.3223,
0.3169

99.9557, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



25.8297, 0.3156, 0.1878



25.8297, 0.4562, 0.2458



25.8297, 0.5535, 0.3178

Triad

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



25.8297, 0.4562, 0.2458



25.8297, 0.3782, 0.5688



25.8297, 0.1118, 0.1833

Complementary

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



25.8297, 0.4562, 0.2458



74.6200, 0.2673, 0.4627

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.



25.8297, 0.1191, 0.2679



25.8297, 0.4562, 0.2458



25.8297, 0.2645, 0.5626

Square

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



25.8297, 0.4562, 0.2458



25.8297, 0.4842, 0.4878



25.8297, 0.1689, 0.4210



25.8297, 0.1382, 0.1520

Rectangle

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



25.8297, 0.4562, 0.2458



25.8297, 0.5653, 0.3696



25.8297, 0.1689, 0.4210



25.8297, 0.1103, 0.2043

Sweetspot

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



25.8241, 0.4562, 0.2458



65.1100, 0.3391, 0.2989



16.3510, 0.2235, 0.1129



13.0446, 0.3442, 0.2942



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.



25.8241, 0.4562, 0.2458



23.0677, 0.4967, 0.2528



23.8603, 0.5947, 0.3298



18.1340, 0.3218, 0.3175



11.8965, 0.5026, 0.2542



1.1803, 0.4764, 0.2398

Inverse Universe

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



25.8241, 0.4562, 0.2458



23.0677, 0.4967, 0.2528



79.4421, 0.2283, 0.3288



18.1340, 0.3218, 0.3175



11.8965, 0.5026, 0.2542



1.1803, 0.4764, 0.2398

Previews

White Background



This preview shows how the Yxy color 25.8297, 0.4562, 0.2458 looks on a white background.

Color Contrast Check

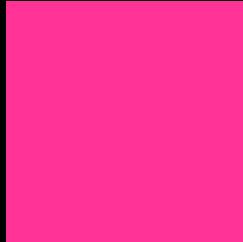
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8297, 0.4562, 0.2458 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 25.8297, 0.4562, 0.2458

Background



This preview shows how black text looks on a background with the Yxy color 25.8297, 0.4562, 0.2458.



This preview shows how white text looks on a background with the Yxy color 25.8297, 0.4562, 0.2458.

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

25.8297, 0.4562, 0.2458

Protanopia

26.0329, 0.2386, 0.2285

Deuteranopia

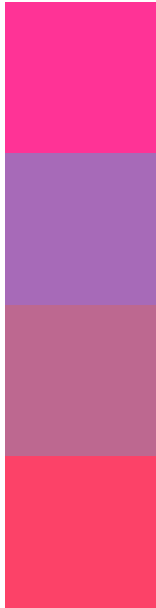
25.8968, 0.3266, 0.3210



Tritanopia

25.9426, 0.5498, 0.3274

Trichromacy



Original Color

25.8297, 0.4562, 0.2458

Protanomaly

21.9842, 0.2982, 0.2204

Deuteranomaly

22.7331, 0.3738, 0.2744

Tritanomaly

25.5914, 0.5193, 0.2980

Monochromacy



Original Color

25.8297, 0.4562, 0.2458

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

18.9008, 0.3683, 0.2751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8297, 0.4562, 0.2458 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, 51, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 150)  
}
```

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, 51, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 150) }
```

Border

The CSS property to change the border of an element to Yxy 25.8297, 0.4562, 0.2458 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, 51, 150) }
```

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

```
.border{ border-color:rgb(255, 51, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8297, 0.4562, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 150) }
```

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

```
.background{ background-color: rgb(255, 51,  
150) }
```

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