

Converting Colors

$Y_{xy}(25.8937, 0.4173, 0.2167)$

Have a look what the booklet for
Yxy(25.8937, 0.4173, 0.2167)
contains.

Yxy(25.8854, 0.4167, 0.2162)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(25.8854, 0.4167, 0.2162)

Conversions

Conversions Part 1

Format	Color
Hex	FF27B1
RGB	255, 39, 177
RGB Percent	100%, 15%, 69%
CMY	0.0001, 0.8466, 0.3060
CMYK	0.00, 0.85, 0.31, 0.00
HSL	322°, 100%, 58%
HSV	322°, 85%, 100%
XYZ	49.8911, 25.8854, 43.9525
YIQ	119.3160, 84.4380, 88.7100

Conversions

Conversions Part 2

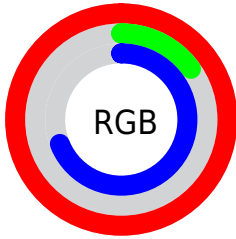
Format	Color
R_{YB}	255, 39, 177
Decimal	16721841
CIE _{Lab}	57.93, 84.68, -20.35
CIE _{LCh}	58, 87.089, 346.488
Yxy	25.8854, 0.4167, 0.2162
Android (android.graphics.Color)	4294911921 (0xFFFF27B1)
YUV	119.3160, 28.4382, 118.9949
Hunter-Lab	50.8777, 86.0025, -15.6054

Details

The Yxy color **25.8854, 0.4167, 0.2162** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **73.2202, 0.2805, 0.5159**, and the grayscale version is **18.4617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9534, 0.3396, 0.2138**, and **12.7927, 0.4373, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **24.3767, 0.4328, 0.2179**, and if you desaturate by 10%, it is **28.5447, 0.4003, 0.2198**.

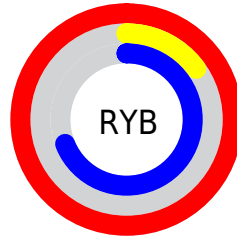
Distribution



Red (100%)

Green (15%)

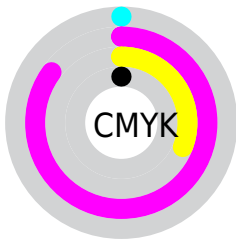
Blue (69%)



Red (100%)

Yellow (15%)

Blue (69%)

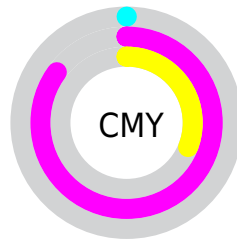


Cyan (0%)

Magenta (85%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (85%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.8854, 0.4167, 0.2162 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 25.8854, 0.4167, 0.2162 by changing the saturation by 10% instead.


 25.8854, 0.4167,
0.2162


 25.8854, 0.4167,
0.2162


282.2191, 0.3631,
0.2720

 16.7379, 0.4304,
0.2027


 53.0900, 0.3969,
0.2362


 10.0478, 0.4482,
0.1857

 71.9159, 0.3896,
0.2438


 5.4307, 0.4720,
0.1638


 94.7368, 0.3834,
0.2503

 2.5021, 0.5051,
0.1350

 121.9370, 0.3781,
0.2559

 0.8777, 0.5538,
0.0965

 153.9009, 0.3736,
0.2607

 0.0000, 0.6598,
0.0000

191.0130, 0.3696,

 0.0000, 1.0000,

0.2649

0.0000

233.6576, 0.3662,
0.2687

■ 0.0000, 0.0000,
0.0000

■ 25.8854, 0.4167,
0.2162

■ 25.8854, 0.4167,
0.2162

■ 24.3767, 0.4328,
0.2179

■ 28.5447, 0.4003,
0.2198

■ 23.8927, 0.4412,
0.2204


■ 32.5449, 0.3842,
0.2282


■ 38.0457, 0.3691,
0.2404

■ 45.1833, 0.3553,
0.2553

■ 54.0785, 0.3431,
0.2717

 64.8406, 0.3325,
0.2886

 77.5699, 0.3235,
0.3055

 92.3597, 0.3158,
0.3217

99.9939, 0.3127,
0.3290

Harmonies

Analogous

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



25.8854, 0.2682, 0.1640



25.8854, 0.4167, 0.2162



25.8854, 0.5489, 0.2873

Triad

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



25.8854, 0.4167, 0.2162



25.8854, 0.4166, 0.5585



25.8854, 0.0987, 0.1942

Complementary

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



25.8854, 0.4167, 0.2162



73.2202, 0.2805, 0.5159

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.



25.8854, 0.1181, 0.3091



25.8854, 0.4167, 0.2162



25.8854, 0.2966, 0.6055

Square

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



25.8854, 0.4167, 0.2162



25.8854, 0.5236, 0.4575



25.8854, 0.1860, 0.4944



25.8854, 0.1147, 0.1471

Rectangle

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



25.8854, 0.4167, 0.2162



25.8854, 0.5841, 0.3387



25.8854, 0.1860, 0.4944



25.8854, 0.1008, 0.2232

Sweetspot

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



25.8868, 0.4167, 0.2162



64.4550, 0.3329, 0.2880



12.2998, 0.1930, 0.0920



12.9446, 0.3364, 0.2821



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.



25.8868, 0.4167, 0.2162



23.8996, 0.4412, 0.2204



23.1746, 0.5784, 0.3109



18.1824, 0.3194, 0.3139



12.5177, 0.4387, 0.2191



1.2398, 0.4217, 0.2097

Inverse Universe

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



25.8868, 0.4167, 0.2162



23.8996, 0.4412, 0.2204



77.2389, 0.2387, 0.3697



18.1824, 0.3194, 0.3139



12.5177, 0.4387, 0.2191



1.2398, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 25.8854, 0.4167, 0.2162 looks on a white background.

Color Contrast Check

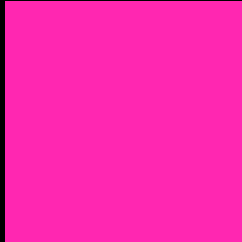
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8854, 0.4167, 0.2162 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 25.8854, 0.4167, 0.2162

Background



This preview shows how black text looks on a background with the Yxy color 25.8854, 0.4167, 0.2162.



This preview shows how white text looks on a background with the Yxy color 25.8854, 0.4167, 0.2162.

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

25.8854, 0.4167, 0.2162

Protanopia

26.3746, 0.2023, 0.1809

Deuteranopia

25.9369, 0.2877, 0.2815



Tritanopia

25.8583, 0.5409, 0.3264

Trichromacy



Original Color

25.8854, 0.4167, 0.2162



Protanomaly

20.9587, 0.2486, 0.1728



Deuteranomaly

22.1547, 0.3319, 0.2356



Tritanomaly

25.3252, 0.5019, 0.2843

Monochromacy



Original Color

25.8854, 0.4167, 0.2162



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.5306, 0.3558, 0.2542

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8854, 0.4167, 0.2162 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, 39, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 39, 177)  
}
```

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, 39, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 39, 177) }
```

Border

The CSS property to change the border of an element to Yxy 25.8854, 0.4167, 0.2162 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, 39, 177) }
```

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

```
.border{ border-color:rgb(255, 39, 177) }
```

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

Here you see how a box with a 4 pixel rgb(255, 39, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 39, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 39, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 39,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8854, 0.4167, 0.2162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 39, 177) }
```

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

```
.background{ background-color: rgb(255, 39,  
177) }
```

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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