

Converting Colors

$Y_{xy}(25.5910, 0.4682, 0.2531)$

Have a look what the booklet for
Yxy(25.5910, 0.4682, 0.2531)
contains.

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Color

Yxy(25.5806, 0.4687, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	FF338E
RGB	255, 51, 142
RGB Percent	100%, 20%, 56%
CMY	0.0001, 0.7996, 0.4432
CMYK	0.00, 0.80, 0.44, 0.00
HSL	333°, 100%, 60%
HSV	333°, 80%, 100%
XYZ	47.2964, 25.5806, 28.0327
YIQ	122.3700, 92.3730, 71.5490

Conversions

Conversions Part 2

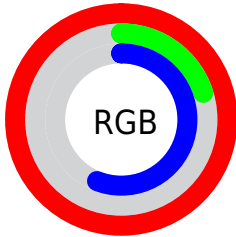
Format	Color
R_{YB}	255, 51, 142
Decimal	16724878
CIE _{Lab}	57.64, 78.82, -0.27
CIE _{LCh}	58, 78.817, 359.802
Yxy	25.5806, 0.4687, 0.2535
Android (android.graphics.Color)	4294914958 (0xFFFF338E)
YUV	122.3700, 9.6776, 116.3165
Hunter-Lab	50.5773, 78.4106, 2.5423

Details

The Yxy color **25.5806, 0.4687, 0.2535** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **74.8868, 0.2640, 0.4511**, and the grayscale version is **19.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3938, 0.3793, 0.2525**, and **11.9792, 0.5053, 0.2558** is the 20% darker color. If you saturate the color by 10%, you get **23.5294, 0.4969, 0.2571**, and if you desaturate by 10%, it is **28.9085, 0.4404, 0.2553**.

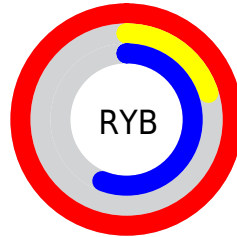
Distribution



Red (100%)

Green (20%)

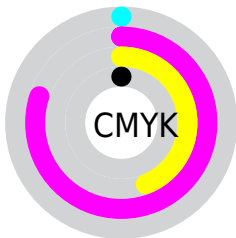
Blue (56%)



Red (100%)

Yellow (20%)

Blue (56%)

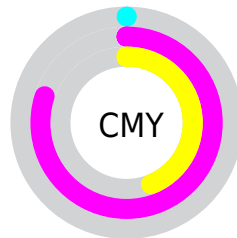


Cyan (0%)

Magenta (80%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.5806, 0.4687, 0.2535 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 25.5806, 0.4687, 0.2535 by changing the saturation by 10% instead.


 25.5806, 0.4687,
0.2535


 25.5806, 0.4687,
0.2535


280.7172, 0.3844,
0.2943


 16.5101, 0.4916,
0.2424


 52.5976, 0.4366,
0.2690


 9.8859, 0.5220,
0.2278


 71.3129, 0.4250,
0.2746


 5.3233, 0.5639,
0.2076

 94.0119, 0.4153,
0.2793

 2.4382, 0.6242,
0.1786

 121.0791, 0.4072,
0.2832

 0.8454, 0.7154,
0.1348

 152.8989, 0.4002,
0.2866

 0.0000, 1.0000,
0.0000

189.8555, 0.3942,

 0.0000, 0.0000,

0.2895

0.0000

232.3335, 0.3890,
0.2921

■ 25.5806, 0.4687,
0.2535

■ 25.5806, 0.4687,
0.2535

■ 23.5294, 0.4969,
0.2571

■ 28.9085, 0.4404,
0.2553

■ 22.4645, 0.5233,
0.2657

■ 33.6850, 0.4136,
0.2615

■ 22.4610, 0.5234,
0.2657

■ 40.0600, 0.3894,
0.2709

■ 48.1628, 0.3683,
0.2820

■ 58.1098, 0.3503,
0.2941

70.0071, 0.3353,
0.3062

83.9524, 0.3229,
0.3179

99.9934, 0.3127,
0.3290

Harmonies

Analogous

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



25.5806, 0.3298, 0.1937



25.5806, 0.4687, 0.2535



25.5806, 0.5565, 0.3261

Triad

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



25.5806, 0.4687, 0.2535



25.5806, 0.3664, 0.5724



25.5806, 0.1140, 0.1790

Complementary

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



25.5806, 0.4687, 0.2535



74.8868, 0.2640, 0.4511

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.



25.5806, 0.1177, 0.2565



25.5806, 0.4687, 0.2535



25.5806, 0.2537, 0.5511

Square

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



25.5806, 0.4687, 0.2535



25.5806, 0.4736, 0.4969



25.5806, 0.1624, 0.4023



25.5806, 0.1440, 0.1519

Rectangle

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



25.5806, 0.4687, 0.2535



25.5806, 0.5617, 0.3784



25.5806, 0.1624, 0.4023



25.5806, 0.1114, 0.1980

Sweetspot

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



25.5821, 0.4687, 0.2535



64.9797, 0.3410, 0.3013



17.4038, 0.2325, 0.1177



13.0135, 0.3465, 0.2970



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.



25.5821, 0.4687, 0.2535



22.8217, 0.5130, 0.2619



24.8615, 0.5878, 0.3359



18.1217, 0.3224, 0.3184



11.7690, 0.5194, 0.2635



1.1675, 0.4911, 0.2479

Inverse Universe

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



25.5821, 0.4687, 0.2535



22.8217, 0.5130, 0.2619



73.0908, 0.2251, 0.3164



18.1217, 0.3224, 0.3184



11.7690, 0.5194, 0.2635



1.1675, 0.4911, 0.2479

Previews

White Background



This preview shows how the Yxy color 25.5806, 0.4687, 0.2535 looks on a white background.

Color Contrast Check

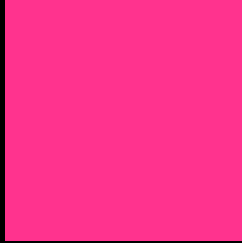
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.5806, 0.4687, 0.2535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

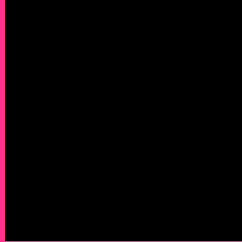
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 25.5806, 0.4687, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 25.5806, 0.4687, 0.2535.



This preview shows how white text looks on a background with the Yxy color 25.5806, 0.4687, 0.2535.

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

25.5806, 0.4687, 0.2535

Protanopia

25.8792, 0.2497, 0.2429

Deuteranopia

25.6847, 0.3390, 0.3323



Tritanopia

25.5101, 0.5555, 0.3275

Trichromacy



Original Color

25.5806, 0.4687, 0.2535



Protanomaly

21.9101, 0.3124, 0.2331



Deuteranomaly

22.7546, 0.3875, 0.2855



Tritanomaly

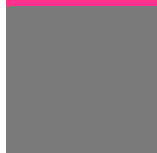
25.2631, 0.5275, 0.3013

Monochromacy



Original Color

25.5806, 0.4687, 0.2535



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.4968, 0.3731, 0.2792

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5806, 0.4687, 0.2535 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, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 142)  
}
```

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, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 142) }
```

Border

The CSS property to change the border of an element to Yxy 25.5806, 0.4687, 0.2535 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, 142) }
```

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

```
.border{ border-color:rgb(255, 51, 142) }
```

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, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5806, 0.4687, 0.2535 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, 142) }
```

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

```
.background{ background-color: rgb(255, 51,  
142) }
```

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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