

Converting Colors

$Y_{xy}(25.0504, 0.4993, 0.2720)$

Have a look what the booklet for
Yxy(25.0504, 0.4993, 0.2720)
contains.

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Color

Yxy(25.0577, 0.4989, 0.2718)

Conversions

Conversions Part 1

Format	Color
Hex	FF337B
RGB	255, 51, 123
RGB Percent	100%, 20%, 48%
CMY	0.0000, 0.7998, 0.5178
CMYK	0.00, 0.80, 0.52, 0.00
HSL	339°, 100%, 60%
HSV	339°, 80%, 100%
XYZ	45.9944, 25.0577, 21.1396
YIQ	120.2040, 98.4720, 65.6400

Conversions

Conversions Part 2

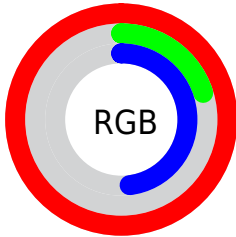
Format	Color
R_{YB}	255, 51, 123
Decimal	16724859
CIE _{Lab}	57.13, 77.33, 10.28
CIE _{LCh}	57, 78.006, 7.573
Yxy	25.0577, 0.4989, 0.2718
Android (android.graphics.Color)	4294914939 (0xFFFF337B)
YUV	120.2040, 1.3784, 118.2161
Hunter-Lab	50.0577, 76.4100, 10.0020

Details

The Yxy color **25.0577, 0.4989, 0.2718** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **75.6404, 0.2561, 0.4241**, and the grayscale version is **18.8299, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.3120, 0.4030, 0.2712**, and **11.7145, 0.5423, 0.2761** is the 20% darker color. If you saturate the color by 10%, you get **23.0272, 0.5320, 0.2770**, and if you desaturate by 10%, it is **28.3807, 0.4648, 0.2717**.

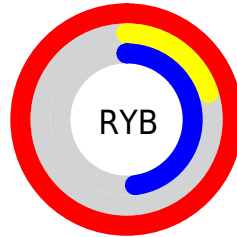
Distribution



Red (100%)

Green (20%)

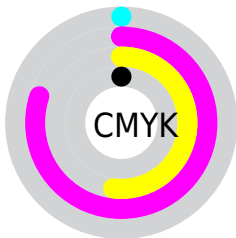
Blue (48%)



Red (100%)

Yellow (20%)

Blue (48%)

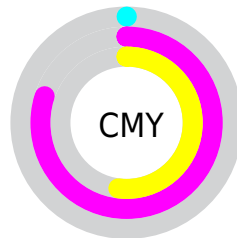


Cyan (0%)

Magenta (80%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0577, 0.4989, 0.2718 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 25.0577, 0.4989, 0.2718 by changing the saturation by 10% instead.


 25.0577, 0.4989,
0.2718


 25.0577, 0.4989,
0.2718

278.1252, 0.3971,
0.3055


 16.1200, 0.5267,
0.2617


 51.7508, 0.4600,
0.2853


 9.6091, 0.5635,
0.2477


 70.2751, 0.4459,
0.2900


 5.1406, 0.6139,
0.2275

 92.7636, 0.4343,
0.2938

 2.3300, 0.6851,
0.1968

 119.6009, 0.4245,
0.2970

 0.7895, 0.8193,
0.1533

 151.1713, 0.4161,
0.2996

 0.0000, 1.0000,
0.0000

187.8592, 0.4089,

 0.0000, 0.0000,

0.3019

0.0000

230.0491, 0.4026,
0.3038

■ 25.0577, 0.4989,
0.2718

■ 25.0577, 0.4989,
0.2718

■ 23.0272, 0.5320,
0.2770

■ 28.3807, 0.4648,
0.2717

■ 21.9965, 0.5616,
0.2867

■ 33.1697, 0.4323,
0.2758

■ 21.9948, 0.5616,
0.2868

■ 39.5755, 0.4030,
0.2829

■ 47.7292, 0.3778,
0.2917

■ 57.7478, 0.3565,
0.3012

69.7386, 0.3389,
0.3109

83.8005, 0.3245,
0.3202

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



25.0577, 0.3659, 0.2075



25.0577, 0.4989, 0.2718



25.0577, 0.5629, 0.3461

Triad

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



25.0577, 0.4989, 0.2718



25.0577, 0.3371, 0.5794



25.0577, 0.1189, 0.1685

Complementary

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



25.0577, 0.4989, 0.2718



75.6404, 0.2561, 0.4241

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.



25.0577, 0.1138, 0.2305



25.0577, 0.4989, 0.2718



25.0577, 0.2269, 0.5204

Square

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



25.0577, 0.4989, 0.2718



25.0577, 0.4474, 0.5199



25.0577, 0.1466, 0.3589



25.0577, 0.1581, 0.1511

Rectangle

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



25.0577, 0.4989, 0.2718



25.0577, 0.5525, 0.4000



25.0577, 0.1466, 0.3589



25.0577, 0.1136, 0.1831

Sweetspot

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



25.0592, 0.4989, 0.2718



64.6805, 0.3456, 0.3070



19.3200, 0.2479, 0.1257



12.9424, 0.3519, 0.3036



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.



25.0592, 0.4989, 0.2718



22.3356, 0.5502, 0.2826



26.9806, 0.5748, 0.3479



18.0929, 0.3239, 0.3206



11.5194, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Inverse Universe

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



25.0592, 0.4989, 0.2718



22.3356, 0.5502, 0.2826



63.2999, 0.2194, 0.2948



18.0929, 0.3239, 0.3206



11.5194, 0.5573, 0.2844



1.1414, 0.5258, 0.2670

Previews

White Background



This preview shows how the Yxy color 25.0577, 0.4989, 0.2718 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 25.0577, 0.4989, 0.2718 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 25.0577, 0.4989, 0.2718

Background



This preview shows how black text looks on a background with the Yxy color 25.0577, 0.4989, 0.2718.



This preview shows how white text looks on a background with the Yxy color 25.0577, 0.4989, 0.2718.

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

25.0577, 0.4989, 0.2718

Protanopia

25.1813, 0.2761, 0.2772

Deuteranopia

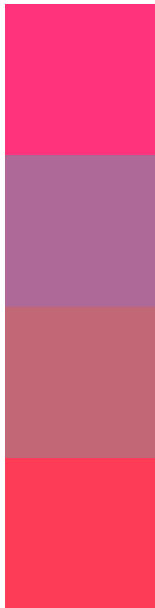
25.0657, 0.3662, 0.3596



Tritanopia

25.0092, 0.5663, 0.3283

Trichromacy



Original Color

25.0577, 0.4989, 0.2718

Protanomaly

21.4841, 0.3453, 0.2612

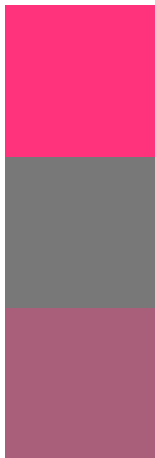
Deuteranomaly

22.4542, 0.4190, 0.3104

Tritanomaly

24.9247, 0.5452, 0.3093

Monochromacy



Original Color

25.0577, 0.4989, 0.2718

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.9999, 0.3843, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0577, 0.4989, 0.2718 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, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 123)  
}
```

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, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 123) }
```

Border

The CSS property to change the border of an element to Yxy 25.0577, 0.4989, 0.2718 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, 123) }
```

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

```
.border{ border-color:rgb(255, 51, 123) }
```

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, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0577, 0.4989, 0.2718 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, 123) }
```

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

```
.background{ background-color: rgb(255, 51,  
123) }
```

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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