

Converting Colors

$Y_{xy}(25.7298, 0.4611, 0.2489)$

Have a look what the booklet for
Yxy(25.7298, 0.4611, 0.2489)
contains.

Yxy(25.7342, 0.4609, 0.2487)	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(25.7342, 0.4609, 0.2487)

Conversions

Conversions Part 1

Format	Color
Hex	FF3393
RGB	255, 51, 147
RGB Percent	100%, 20%, 58%
CMY	0.0000, 0.8000, 0.4236
CMYK	0.00, 0.80, 0.42, 0.00
HSL	332°, 100%, 60%
HSV	332°, 80%, 100%
XYZ	47.6916, 25.7342, 30.0491
YIQ	122.9400, 90.7680, 73.1040

Conversions

Conversions Part 2

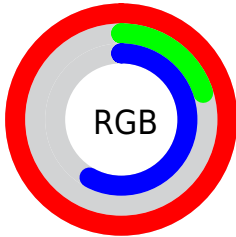
Format	Color
R _Y B	255, 51, 147
Decimal	16724883
CIE Lab	57.78, 79.28, -3.00
CIE LCh	58, 79.340, 357.834
Yxy	25.7342, 0.4609, 0.2487
Android (android.graphics.Color)	4294914963 (0xFFFF3393)
YUV	122.9400, 11.8616, 115.8166
Hunter-Lab	50.7289, 79.0370, 0.3900

Details

The Yxy color **25.7342, 0.4609, 0.2487** 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 **74.7279, 0.2661, 0.4583**, and the grayscale version is **19.7237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.6707, 0.3726, 0.2468**, and **12.0695, 0.4943, 0.2497** is the 20% darker color. If you saturate the color by 10%, you get **23.6837, 0.4876, 0.2518**, and if you desaturate by 10%, it is **29.0535, 0.4341, 0.2510**.

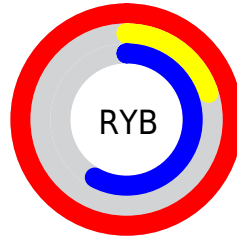
Distribution



Red (100%)

Green (20%)

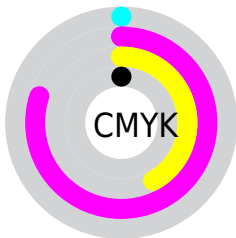
Blue (58%)



Red (100%)

Yellow (20%)

Blue (58%)

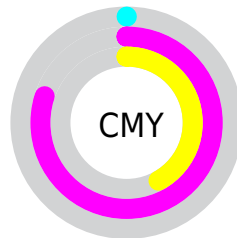


Cyan (0%)

Magenta (80%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7342, 0.4609, 0.2487 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 25.7342, 0.4609, 0.2487 by changing the saturation by 10% instead.


 25.7342, 0.4609,
0.2487


 25.7342, 0.4609,
0.2487


281.4748, 0.3811,
0.2914


 16.6249, 0.4825,
0.2374


 52.8458, 0.4306,
0.2648


 9.9674, 0.5110,
0.2225


 71.6170, 0.4197,
0.2706


 5.3774, 0.5504,
0.2022

 94.3775, 0.4105,
0.2755

 2.4703, 0.6071,
0.1734

 121.5118, 0.4028,
0.2797

 0.8617, 0.6933,
0.1308

 153.4043, 0.3962,
0.2832

 0.0000, 1.0000,
0.0000

190.4394, 0.3905,

 0.0000, 0.0000,

0.2863

0.0000

233.0014, 0.3855,
0.2890

■ 25.7342, 0.4609,
0.2487

■ 25.7342, 0.4609,
0.2487

■ 23.6837, 0.4876,
0.2518

■ 29.0535, 0.4341,
0.2510

■ 22.6155, 0.5129,
0.2599

■ 33.8188, 0.4088,
0.2578

■ 22.6154, 0.5129,
0.2599

■ 40.1779, 0.3859,
0.2677

■ 48.2602, 0.3659,
0.2795

■ 58.1818, 0.3488,
0.2921

70.0486, 0.3344,
0.3049

83.9584, 0.3225,
0.3173

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.



25.7342, 0.3209, 0.1900



25.7342, 0.4609, 0.2487



25.7342, 0.5547, 0.3209

Triad

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



25.7342, 0.4609, 0.2487



25.7342, 0.3738, 0.5702



25.7342, 0.1126, 0.1817

Complementary

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



25.7342, 0.4609, 0.2487



74.7279, 0.2661, 0.4583

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.



25.7342, 0.1186, 0.2636



25.7342, 0.4609, 0.2487



25.7342, 0.2605, 0.5583

Square

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



25.7342, 0.4609, 0.2487



25.7342, 0.4802, 0.4912



25.7342, 0.1665, 0.4140



25.7342, 0.1404, 0.1520

Rectangle

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



25.7342, 0.4609, 0.2487



25.7342, 0.5640, 0.3729



25.7342, 0.1665, 0.4140



25.7342, 0.1107, 0.2019

Sweetspot

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



25.7339, 0.4609, 0.2487



65.0604, 0.3399, 0.2998



16.6960, 0.2265, 0.1145



13.0328, 0.3450, 0.2953



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.



25.7339, 0.4609, 0.2487



22.9717, 0.5029, 0.2563



24.1751, 0.5925, 0.3317



18.1294, 0.3220, 0.3179



11.8467, 0.5090, 0.2577



1.1753, 0.4819, 0.2429

Inverse Universe

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



25.7339, 0.4609, 0.2487



22.9717, 0.5029, 0.2563



77.2938, 0.2272, 0.3247



18.1294, 0.3220, 0.3179



11.8467, 0.5090, 0.2577



1.1753, 0.4819, 0.2429

Previews

White Background



This preview shows how the Yxy color 25.7342, 0.4609, 0.2487 looks on a white background.

Color Contrast Check

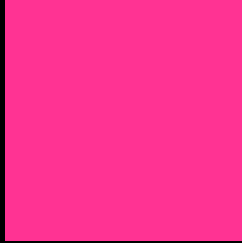
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7342, 0.4609, 0.2487 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 25.7342, 0.4609, 0.2487

Background



This preview shows how black text looks on a background with the Yxy color 25.7342, 0.4609, 0.2487.



This preview shows how white text looks on a background with the Yxy color 25.7342, 0.4609, 0.2487.

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

25.7342, 0.4609, 0.2487

Protanopia

25.9834, 0.2426, 0.2337

Deuteranopia

25.9064, 0.3310, 0.3259



Tritanopia

25.7961, 0.5517, 0.3274

Trichromacy



Original Color

25.7342, 0.4609, 0.2487



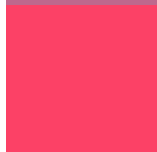
Protanomaly

21.9691, 0.3025, 0.2242



Deuteranomaly

22.7709, 0.3792, 0.2786



Tritanomaly

25.4353, 0.5227, 0.2992

Monochromacy



Original Color

25.7342, 0.4609, 0.2487



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.8733, 0.3697, 0.2765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7342, 0.4609, 0.2487 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, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 147)  
}
```

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, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 147) }
```

Border

The CSS property to change the border of an element to Yxy 25.7342, 0.4609, 0.2487 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, 147) }
```

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

```
.border{ border-color:rgb(255, 51, 147) }
```

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, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 51, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 51, 147); box-shadow:4px 4px 4px 4px rgb(255, 51, 147) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7342, 0.4609, 0.2487 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, 147) }
```

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

```
.background{ background-color: rgb(255, 51,  
147) }
```

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