

Converting Colors

$Y_{xy}(28.3595, 0.4329, 0.2687)$

Have a look what the booklet for
Yxy(28.3595, 0.4329, 0.2687)
contains.

Yxy(28.3595, 0.4329, 0.2687)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.3595, 0.4329, 0.2687)

Conversions

Conversions Part 1

Format	Color
Hex	F25A95
RGB	242, 90, 149
RGB Percent	95%, 35%, 58%
CMY	0.0511, 0.6469, 0.4157
CMYK	0.00, 0.63, 0.38, 0.05
HSL	337°, 85%, 65%
HSV	337°, 63%, 95%
XYZ	45.6897, 28.3595, 31.4941
YIQ	142.1740, 71.6530, 50.5730

Conversions

Conversions Part 2

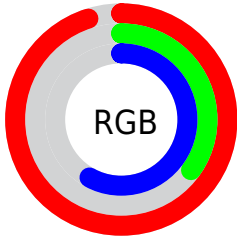
Format	Color
R _Y B	242, 90, 149
Decimal	15882901
CIE Lab	60.21, 63.18, -0.87
CIE LCh	60, 63.184, 359.214
Yxy	28.3595, 0.4329, 0.2687
Android (android.graphics.Color)	4294072981 (0xFFFF25A95)
YUV	142.1740, 3.3652, 87.5474
Hunter-Lab	53.2536, 59.9528, 2.2135

Details

The Yxy color **28.3595, 0.4329, 0.2687** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **69.0806, 0.2628, 0.4078**, and the grayscale version is **27.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4392, 0.3651, 0.2715**, and **11.3184, 0.4741, 0.2488** is the 20% darker color. If you saturate the color by 10%, you get **24.4765, 0.4638, 0.2648**, and if you desaturate by 10%, it is **33.6338, 0.4048, 0.2759**.

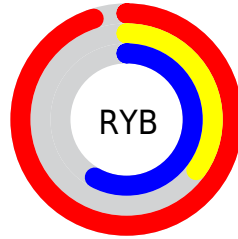
Distribution



Red (95%)

Green (35%)

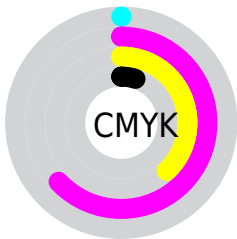
Blue (58%)



Red (95%)

Yellow (35%)

Blue (58%)

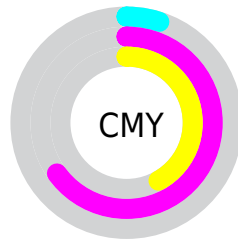


Cyan (0%)

Magenta (63%)

Yellow (38%)

Black (5%)



Cyan (5%)


Magenta (65%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3595, 0.4329, 0.2687 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 28.3595, 0.4329, 0.2687 by changing the saturation by 10% instead.

 28.3595, 0.4329,
0.2687


 28.3595, 0.4329,
0.2687


294.1808, 0.3685,
0.3009

 18.5968, 0.4503,
0.2600


 57.0579, 0.4085,
0.2809

 11.3793, 0.4734,
0.2486


 76.7624, 0.3996,
0.2853

 6.3226, 0.5055,
0.2327


 100.5497, 0.3923,
0.2890

 3.0422, 0.5524,
0.2097

 128.8040, 0.3860,
0.2921

 1.1538, 0.6260,
0.1737

161.9099, 0.3807,
0.2948

 0.0235, 0.9423,
0.0124

200.2518, 0.3761,

 0.0000, 1.0000,

0.2971

0.0000

244.2139, 0.3721,
0.2991

0.0000, 0.0000,
0.0000

28.3595, 0.4329,
0.2687

28.3595, 0.4329,
0.2687

24.4765, 0.4638,
0.2648

33.6338, 0.4048,
0.2759

21.8436, 0.4957,
0.2656

40.4134, 0.3801,
0.2853


20.2975, 0.5265,
0.2716


48.8055, 0.3592,
0.2956


19.6774, 0.5469,
0.2786

58.9062, 0.3418,
0.3062

70.8040, 0.3274,
0.3165

 84.5813, 0.3156,
0.3264

 97.4610, 0.3060,
0.3313

 97.6114, 0.3047,
0.3290

Harmonies

Analogous

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



28.3595, 0.3262, 0.2169



28.3595, 0.4329, 0.2687



28.3595, 0.5043, 0.3331

Triad

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



28.3595, 0.4329, 0.2687



28.3595, 0.3683, 0.5209



28.3595, 0.1460, 0.2097

Complementary

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



28.3595, 0.4329, 0.2687



69.0806, 0.2628, 0.4078

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.



28.3595, 0.1522, 0.2780



28.3595, 0.4329, 0.2687



28.3595, 0.2738, 0.4952

Square

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



28.3595, 0.4329, 0.2687



28.3595, 0.4539, 0.4738



28.3595, 0.1950, 0.3894



28.3595, 0.1721, 0.1825

Rectangle

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



28.3595, 0.4329, 0.2687



28.3595, 0.5143, 0.3794



28.3595, 0.1950, 0.3894



28.3595, 0.1444, 0.2273

Sweetspot

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



28.3610, 0.4329, 0.2687



71.1231, 0.3361, 0.3101



23.5767, 0.2606, 0.1584



14.4347, 0.3404, 0.3071



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.



28.3610, 0.4329, 0.2687



26.7322, 0.4715, 0.2645



29.7621, 0.5037, 0.3444



15.8604, 0.3232, 0.3199



10.5989, 0.5426, 0.2763



0.9007, 0.5073, 0.2568

Inverse Universe

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



28.3610, 0.4329, 0.2687



26.7322, 0.4715, 0.2645



63.3999, 0.2327, 0.3096



15.8604, 0.3232, 0.3199



10.5989, 0.5426, 0.2763



0.9007, 0.5073, 0.2568

Previews

White Background



This preview shows how the Yxy color 28.3595, 0.4329, 0.2687 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 28.3595, 0.4329, 0.2687 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 28.3595, 0.4329, 0.2687

Background



This preview shows how black text looks on a background with the Yxy color 28.3595, 0.4329, 0.2687.



This preview shows how white text looks on a background with the Yxy color 28.3595, 0.4329, 0.2687.

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

28.3595, 0.4329, 0.2687

Protanopia

28.5997, 0.2703, 0.2696

Deuteranopia

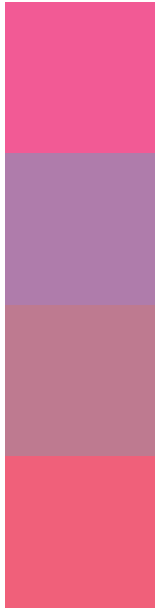
28.5499, 0.3346, 0.3291



Tritanopia

28.3150, 0.4857, 0.3224

Trichromacy



Original Color

28.3595, 0.4329, 0.2687

Protanomaly

26.4695, 0.3203, 0.2630

Deuteranomaly

26.8798, 0.3695, 0.2989

Tritanomaly

28.2961, 0.4666, 0.3026

Monochromacy



Original Color

28.3595, 0.4329, 0.2687

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

25.6752, 0.3538, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3595, 0.4329, 0.2687 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(242, 90, 149)` looks like.

```
.text, #text, p{  
    color:rgb(242, 90, 149)  
}
```

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(242, 90, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 90, 149) }
```

Border

The CSS property to change the border of an element to Yxy 28.3595, 0.4329, 0.2687 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(242, 90, 149) }
```

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

```
.border{ border-color:rgb(242, 90, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 90, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 90, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 90, 149);  
box-shadow:4px 4px 4px 4px rgb(242, 90,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3595, 0.4329, 0.2687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 90, 149) }
```

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

```
.background{ background-color: rgb(242, 90,  
149) }
```

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