

Converting Colors

$Y_{xy}(32.3902, 0.4268, 0.2359)$

Have a look what the booklet for
Yxy(32.3902, 0.4268, 0.2359)
contains.

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Color

Yxy(28.8115, 0.4082, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	FF45B4
RGB	255, 69, 180
RGB Percent	100%, 27%, 71%
CMY	0.0000, 0.7294, 0.2942
CMYK	0.00, 0.73, 0.29, 0.00
HSL	324°, 100%, 64%
HSV	324°, 73%, 100%
XYZ	51.6053, 28.8115, 46.0048
YIQ	137.2680, 75.2250, 73.9530

Conversions

Conversions Part 2

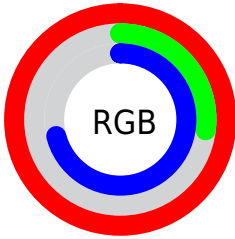
Format	Color
R _Y B	255, 69, 180
Decimal	16729524
CIE Lab	60.61, 77.66, -17.98
CIE LCh	61, 79.719, 346.964
Yxy	28.8115, 0.4082, 0.2279
Android (android.graphics.Color)	4294919604 (0xFFFF45B4)
YUV	137.2680, 21.0669, 103.2510
Hunter-Lab	53.6763, 77.6793, -13.2428

Details

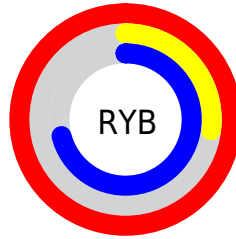
The Yxy color **28.8115, 0.4082, 0.2279** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **74.8006, 0.2762, 0.4776**, and the grayscale version is **25.0216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8187, 0.3351, 0.2272**, and **13.0016, 0.4325, 0.2156** is the 20% darker color. If you saturate the color by 10%, you get **25.9156, 0.4271, 0.2243**, and if you desaturate by 10%, it is **33.0860, 0.3899, 0.2362**.

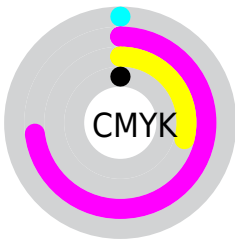
Distribution



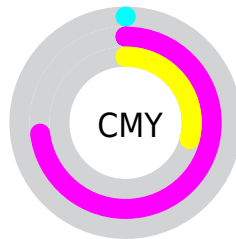
- Red (100%)
- Green (27%)
- Blue (71%)



- Red (100%)
- Yellow (27%)
- Blue (71%)



- Cyan (0%)
- Magenta (73%)
- Yellow (29%)
- Black (0%)





- Cyan (0%)
- Magenta (73%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8115, 0.4082, 0.2279 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 28.8115, 0.4082, 0.2279 by changing the saturation by 10% instead.


 28.8115, 0.4082,
0.2279


 28.8115, 0.4082,
0.2279


296.3245, 0.3593,
0.2778

 18.9383, 0.4207,
0.2158

 57.7775, 0.3902,
0.2458


 11.6257, 0.4367,
0.2006

 77.6390, 0.3835,
0.2526

 6.4893, 0.4582,
0.1809


 101.5987, 0.3779,
0.2584

 3.1448, 0.4882,
0.1546

 130.0411, 0.3731,
0.2633

 1.2078, 0.5325,
0.1188

 163.3504, 0.3689,
0.2677

 0.0681, 0.6360,
0.0171


201.9112, 0.3653,


 0.0000, 0.8785,


0.2715

0.0000


246.1078, 0.3621,
0.2748


 0.0000, 0.0000,
0.0000

 28.8115, 0.4082,
0.2279


 28.8115, 0.4082,
0.2279

 25.9156, 0.4271,
0.2243


 33.0860, 0.3899,
0.2362

 24.2100, 0.4459,
0.2261


 38.8918, 0.3729,
0.2481

 23.5312, 0.4587,
0.2301

 46.3627, 0.3576,
0.2624

 55.6176, 0.3442,
0.2780

 66.7643, 0.3327,
0.2939

 79.9020, 0.3230,
0.3096

 95.1229, 0.3148,
0.3247

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.



28.8115, 0.2758, 0.1782



28.8115, 0.4082, 0.2279



28.8115, 0.5242, 0.2957

Triad

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



28.8115, 0.4082, 0.2279



28.8115, 0.4136, 0.5418



28.8115, 0.1151, 0.2078

Complementary

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



28.8115, 0.4082, 0.2279



74.8006, 0.2762, 0.4776

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.



28.8115, 0.1350, 0.3121



28.8115, 0.4082, 0.2279



28.8115, 0.3030, 0.5706

Square

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



28.8115, 0.4082, 0.2279



28.8115, 0.5087, 0.4565



28.8115, 0.1999, 0.4701



28.8115, 0.1304, 0.1622

Rectangle

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



28.8115, 0.4082, 0.2279



28.8115, 0.5573, 0.3454



28.8115, 0.1999, 0.4701



28.8115, 0.1174, 0.2350

Sweetspot

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



28.8119, 0.4082, 0.2279



67.9080, 0.3317, 0.2954



17.3540, 0.2174, 0.1195



13.8361, 0.3346, 0.2911



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.



28.8119, 0.4082, 0.2279



24.9167, 0.4367, 0.2245



26.2160, 0.5425, 0.3152



18.1690, 0.3200, 0.3149



12.3259, 0.4558, 0.2285



1.2218, 0.4362, 0.2176

Inverse Universe

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



28.8119, 0.4082, 0.2279



24.9167, 0.4367, 0.2245



78.8652, 0.2381, 0.3515



18.1690, 0.3200, 0.3149



12.3259, 0.4558, 0.2285



1.2218, 0.4362, 0.2176

Previews

White Background



This preview shows how the Yxy color 28.8115, 0.4082, 0.2279 looks on a white background.

Color Contrast Check

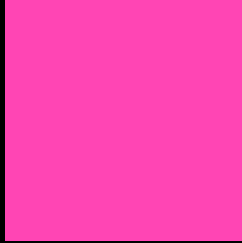
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8115, 0.4082, 0.2279 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 28.8115, 0.4082, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 28.8115, 0.4082, 0.2279.



This preview shows how white text looks on a background with the Yxy color 28.8115, 0.4082, 0.2279.

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

28.8115, 0.4082, 0.2279

Protanopia

29.3318, 0.2208, 0.2056

Deuteranopia

28.9368, 0.2933, 0.2880



Tritanopia

28.8503, 0.5090, 0.3250

Trichromacy



Original Color

28.8115, 0.4082, 0.2279



Protanomaly

25.4701, 0.2683, 0.2021



Deuteranomaly

26.2381, 0.3325, 0.2519



Tritanomaly

28.4084, 0.4747, 0.2878

Monochromacy



Original Color

28.8115, 0.4082, 0.2279



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

23.5915, 0.3488, 0.2710

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8115, 0.4082, 0.2279 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, 69, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 69, 180)  
}
```

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, 69, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 69, 180) }
```

Border

The CSS property to change the border of an element to Yxy 28.8115, 0.4082, 0.2279 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, 69, 180) }
```

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

```
.border{ border-color:rgb(255, 69, 180) }
```

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

Here you see how a box with a 4 pixel rgb(255, 69, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 69, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 69, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 69,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8115, 0.4082, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 69, 180) }
```

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

```
.background{ background-color: rgb(255, 69,  
180) }
```

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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