

Converting Colors

$Y_{xy}(29.0213, 0.4595, 0.2970)$

Have a look what the booklet for
Yxy(29.0213, 0.4595, 0.2970)
contains.

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Color

Yxy(28.9851, 0.4597, 0.2975)

Conversions

Conversions Part 1

Format	Color
Hex	F26180
RGB	242, 97, 128
RGB Percent	95%, 38%, 50%
CMY	0.0510, 0.6196, 0.4980
CMYK	0.00, 0.60, 0.47, 0.05
HSL	347°, 85%, 66%
HSV	347°, 60%, 95%
XYZ	44.7881, 28.9851, 23.6557
YIQ	143.8890, 76.4690, 40.3810

Conversions

Conversions Part 2

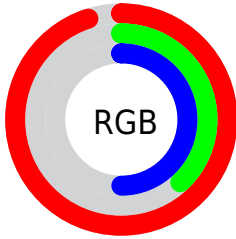
Format	Color
R_{YB}	242, 97, 128
Decimal	15884672
CIE _{Lab}	60.77, 58.19, 12.13
CIE _{LCh}	61, 59.437, 11.773
Yxy	28.9851, 0.4597, 0.2975
Android (android.graphics.Color)	4294074752 (0xFFFF26180)
YUV	143.8890, -7.8333, 86.0433
Hunter-Lab	53.8378, 54.2793, 11.6351

Details

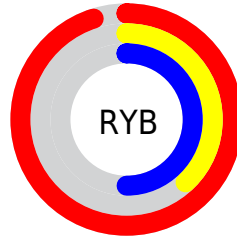
The Yxy color **28.9851, 0.4597, 0.2975** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **70.7479, 0.2524, 0.3686**, and the grayscale version is **27.8537, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3787, 0.3859, 0.2999**, and **11.7114, 0.5106, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **24.7206, 0.5000, 0.2961**, and if you desaturate by 10%, it is **34.7102, 0.4231, 0.3013**.

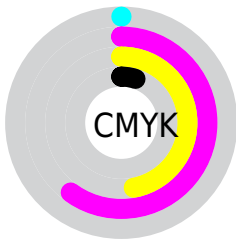
Distribution



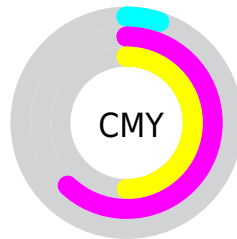
- Red (95%)
- Green (38%)
- Blue (50%)



- Red (95%)
- Yellow (38%)
- Blue (50%)



- Cyan (0%)
- Magenta (60%)
- Yellow (47%)
- Black (5%)





- Cyan (5%)
- Magenta (62%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9851, 0.4597, 0.2975 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 28.9851, 0.4597, 0.2975 by changing the saturation by 10% instead.


 28.9851, 0.4597,
0.2975


 28.9851, 0.4597,
0.2975


297.1447, 0.3802,
0.3167


 19.0695, 0.4813,
0.2915


 58.0534, 0.4295,
0.3054


 11.7205, 0.5100,
0.2829


 77.9750, 0.4185,
0.3081

 6.5537, 0.5495,
0.2701


 102.0006, 0.4094,
0.3102

 3.1846, 0.6065,
0.2497

 130.5148, 0.4017,
0.3120

 1.2288, 0.7031,
0.2173

163.9019, 0.3952,
0.3135

 0.0851, 0.9520,
0.0480

202.5463, 0.3895,


 0.0000, 1.0000,


0.3147

0.0000

246.8324, 0.3846,
0.3158

 0.0000, 0.0000,
0.0000

 28.9851, 0.4597,
0.2975


 28.9851, 0.4597,
0.2975


 24.7206, 0.5000,
0.2961


 34.7102, 0.4231,
0.3013


 21.7782, 0.5409,
0.2979


 42.0084, 0.3917,
0.3064

 20.0009, 0.5781,
0.3036


 50.9865, 0.3655,
0.3122


 19.1282, 0.6071,
0.3119

 61.7406, 0.3440,
0.3181

 19.1221, 0.6074,
0.3120

 74.3596, 0.3266,
0.3237

 88.9264, 0.3126,
0.3290

 97.6167, 0.3047,
0.3290

Harmonies

Analogous

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



28.9851, 0.3683, 0.2416



28.9851, 0.4597, 0.2975



28.9851, 0.5020, 0.3622

Triad

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



28.9851, 0.4597, 0.2975



28.9851, 0.3294, 0.5079



28.9851, 0.1611, 0.2016

Complementary

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



28.9851, 0.4597, 0.2975



70.7479, 0.2524, 0.3686

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.



28.9851, 0.1542, 0.2497



28.9851, 0.4597, 0.2975



28.9851, 0.2428, 0.4477

Square

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



28.9851, 0.4597, 0.2975



28.9851, 0.4163, 0.4899



28.9851, 0.1805, 0.3392



28.9851, 0.1995, 0.1884

Rectangle

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



28.9851, 0.4597, 0.2975



28.9851, 0.4946, 0.4075



28.9851, 0.1805, 0.3392



28.9851, 0.1553, 0.2133

Sweetspot

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



28.9867, 0.4597, 0.2975



72.0198, 0.3405, 0.3191



28.7495, 0.2889, 0.1765



14.5888, 0.3461, 0.3175



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.



28.9867, 0.4597, 0.2975



26.9573, 0.5094, 0.2962



37.9429, 0.4697, 0.3722



15.8141, 0.3260, 0.3240



10.2891, 0.6036, 0.3099



0.8702, 0.5678, 0.2902

Inverse Universe

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



28.9867, 0.4597, 0.2975



26.9573, 0.5094, 0.2962



50.6875, 0.2272, 0.2753



15.8141, 0.3260, 0.3240



10.2891, 0.6036, 0.3099



0.8702, 0.5678, 0.2902

Previews

White Background



This preview shows how the Yxy color 28.9851, 0.4597, 0.2975 looks on a white background.

Color Contrast Check

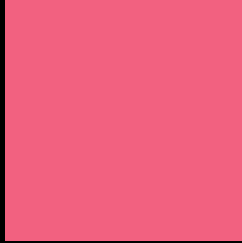
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9851, 0.4597, 0.2975 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

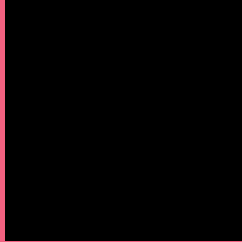
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9851, 0.4597, 0.2975

Background



This preview shows how black text looks on a background with the Yxy color 28.9851, 0.4597, 0.2975.



This preview shows how white text looks on a background with the Yxy color 28.9851, 0.4597, 0.2975.

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

28.9851, 0.4597, 0.2975

Protanopia

29.0939, 0.3061, 0.3164

Deuteranopia

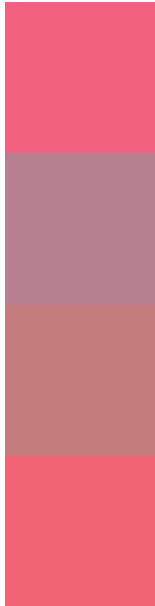
28.9763, 0.3664, 0.3593



Tritanopia

29.0697, 0.4849, 0.3234

Trichromacy



Original Color

28.9851, 0.4597, 0.2975

Protanomaly

27.4278, 0.3571, 0.3050

Deuteranomaly

27.8582, 0.4004, 0.3306

Tritanomaly

29.0529, 0.4749, 0.3141

Monochromacy



Original Color

28.9851, 0.4597, 0.2975

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.7170, 0.3635, 0.3133

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9851, 0.4597, 0.2975 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, 97, 128)` looks like.

```
.text, #text, p{  
  color:rgb(242, 97, 128)  
}
```

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, 97, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 97, 128) }
```

Border

The CSS property to change the border of an element to Yxy 28.9851, 0.4597, 0.2975 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, 97, 128) }
```

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

```
.border{ border-color:rgb(242, 97, 128) }
```

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

Here you see how a box with a 4 pixel rgb(242, 97, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 97, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 97, 128);  
box-shadow:4px 4px 4px 4px rgb(242, 97,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9851, 0.4597, 0.2975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 97, 128) }
```

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

```
.background{ background-color: rgb(242, 97,  
128) }
```

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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