

Converting Colors

$Y_{xy}(28.9583, 0.4562, 0.3056)$

Have a look what the booklet for
Yxy(28.9583, 0.4562, 0.3056)
contains.

Yxy(28.9879, 0.4562, 0.3049)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9879, 0.4562, 0.3049)

Conversions

Conversions Part 1

Format	Color
Hex	ED667D
RGB	237, 102, 125
RGB Percent	93%, 40%, 49%
CMY	0.0707, 0.5999, 0.5098
CMYK	0.00, 0.57, 0.47, 0.07
HSL	350°, 79%, 66%
HSV	350°, 57%, 93%
XYZ	43.3725, 28.9879, 22.7131
YIQ	144.9870, 73.0770, 35.7730

Conversions

Conversions Part 2

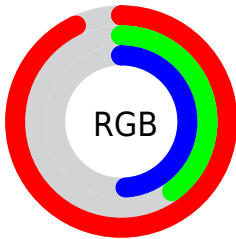
Format	Color
R _{YB}	237, 102, 125
Decimal	15558269
CIE Lab	60.77, 54.03, 13.75
CIE LCh	61, 55.755, 14.277
Yxy	28.9879, 0.4562, 0.3049
Android (android.graphics.Color)	4293748349 (0xFFED667D)
YUV	144.9870, -9.8536, 80.6954
Hunter-Lab	53.8404, 49.5745, 12.6763

Details

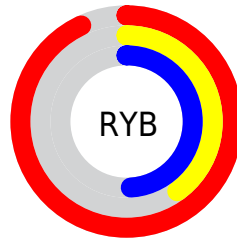
The Yxy color **28.9879, 0.4562, 0.3049** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **68.2359, 0.2516, 0.3584**, and the grayscale version is **28.3319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.5483, 0.3887, 0.3082**, and **11.7059, 0.5056, 0.2932** is the 20% darker color. If you saturate the color by 10%, you get **24.5232, 0.4978, 0.3034**, and if you desaturate by 10%, it is **34.8861, 0.4190, 0.3082**.

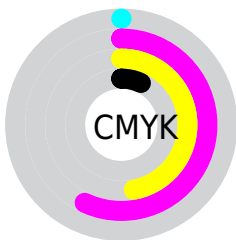
Distribution



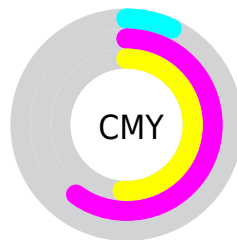
- Red (93%)
- Green (40%)
- Blue (49%)



- Red (93%)
- Yellow (40%)
- Blue (49%)



- Cyan (0%)
- Magenta (57%)
- Yellow (47%)
- Black (7%)



- Cyan (7%)
- Magenta (60%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9879, 0.4562, 0.3049 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 28.9879, 0.4562, 0.3049 by changing the saturation by 10% instead.


 28.9879, 0.4562,
0.3049


 28.9879, 0.4562,
0.3049


297.1579, 0.3785,
0.3204

 19.0717, 0.4774,
0.2998


 58.0579, 0.4266,
0.3114


 11.7221, 0.5055,
0.2923


 77.9804, 0.4159,
0.3136

 6.5547, 0.5444,
0.2810


 102.0071, 0.4070,
0.3153

 3.1852, 0.6008,
0.2622

 130.5225, 0.3995,
0.3167

 1.2292, 0.7025,
0.2335

163.9108, 0.3931,
0.3179

 0.0853, 0.9473,
0.0527

202.5566, 0.3875,


 0.0000, 1.0000,


0.3189


0.0000


246.8441, 0.3827,
0.3197


 0.0000, 0.0000,
0.0000


 28.9879, 0.4562,
0.3049


 28.9879, 0.4562,
0.3049


 24.5232, 0.4978,
0.3034


 34.8861, 0.4190,
0.3082


 21.3648, 0.5407,
0.3045


 42.3217, 0.3873,
0.3124


 19.3706, 0.5800,
0.3088

 51.3943, 0.3611,
0.3170

 18.3576, 0.6104,
0.3157

 62.1936, 0.3398,
0.3217

 18.1560, 0.6178,
0.3177

 74.8030, 0.3226,
0.3261

■ 89.3003, 0.3088,
0.3302

■ 96.7404, 0.3017,
0.3290

Harmonies

Analogous

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



28.9879, 0.3732, 0.2501



28.9879, 0.4562, 0.3049



28.9879, 0.4917, 0.3676

Triad

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



28.9879, 0.4562, 0.3049



28.9879, 0.3226, 0.4941



28.9879, 0.1704, 0.2062

Complementary

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



28.9879, 0.4562, 0.3049



68.2359, 0.2516, 0.3584

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.



28.9879, 0.1613, 0.2496



28.9879, 0.4562, 0.3049



28.9879, 0.2414, 0.4318

Square

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



28.9879, 0.4562, 0.3049



28.9879, 0.4057, 0.4848



28.9879, 0.1843, 0.3310



28.9879, 0.2100, 0.1955

Rectangle

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



28.9879, 0.4562, 0.3049



28.9879, 0.4824, 0.4107



28.9879, 0.1843, 0.3310



28.9879, 0.1640, 0.2167

Sweetspot

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



28.9895, 0.4562, 0.3049



73.2883, 0.3400, 0.3216



29.6533, 0.2949, 0.1851



15.1010, 0.3440, 0.3207



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.



28.9895, 0.4562, 0.3049



28.3849, 0.5035, 0.3034



39.1382, 0.4550, 0.3757



15.0959, 0.3266, 0.3250



9.9278, 0.6146, 0.3159



0.7919, 0.5790, 0.2963

Inverse Universe

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



28.9895, 0.4562, 0.3049



28.3849, 0.5035, 0.3034



47.6311, 0.2293, 0.2723



15.0959, 0.3266, 0.3250



9.9278, 0.6146, 0.3159



0.7919, 0.5790, 0.2963

Previews

White Background



This preview shows how the Yxy color 28.9879, 0.4562, 0.3049 looks on a white background.

Color Contrast Check

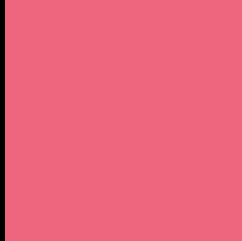
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9879, 0.4562, 0.3049 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 28.9879, 0.4562, 0.3049

Background



This preview shows how black text looks on a background with the Yxy color 28.9879, 0.4562, 0.3049.



This preview shows how white text looks on a background with the Yxy color 28.9879, 0.4562, 0.3049.

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

28.9879, 0.4562, 0.3049

Protanopia

29.0854, 0.3139, 0.3259

Deuteranopia

29.0396, 0.3698, 0.3622



Tritanopia

28.8812, 0.4730, 0.3221

Trichromacy



Original Color

28.9879, 0.4562, 0.3049

Protanomaly

27.6825, 0.3613, 0.3148

Deuteranomaly

28.1613, 0.4019, 0.3374

Tritanomaly

28.7943, 0.4669, 0.3156

Monochromacy



Original Color

28.9879, 0.4562, 0.3049

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

27.0005, 0.3605, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9879, 0.4562, 0.3049 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(237, 102, 125)` looks like.

```
.text, #text, p{  
    color:rgb(237, 102, 125)  
}
```

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(237, 102, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 102, 125) }
```

Border

The CSS property to change the border of an element to Yxy 28.9879, 0.4562, 0.3049 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(237, 102, 125) }
```

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

```
.border{ border-color:rgb(237, 102, 125) }
```

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

Here you see how a box with a 4 pixel rgb(237, 102, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 102, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 102, 125);  
box-shadow:4px 4px 4px 4px rgb(237, 102,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9879, 0.4562, 0.3049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 102, 125) }
```

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

```
.background{ background-color: rgb(237,  
102, 125) }
```

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