

Converting Colors

$Y_{xy}(27.5780, 0.3899, 0.2318)$

Have a look what the booklet for
Yxy(27.5780, 0.3899, 0.2318)
contains.

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Color

Yxy(27.5780, 0.3899, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	EE53B2
RGB	238, 83, 178
RGB Percent	93%, 33%, 70%
CMY	0.0667, 0.6744, 0.3019
CMYK	0.00, 0.65, 0.25, 0.07
HSL	323°, 82%, 63%
HSV	323°, 65%, 93%
XYZ	46.3877, 27.5780, 45.0076
YIQ	140.1750, 61.8850, 62.4050

Conversions

Conversions Part 2

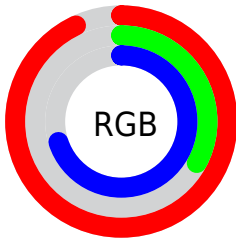
Format	Color
R _Y B	238, 83, 178
Decimal	15618994
CIE Lab	59.51, 68.21, -18.80
CIE LCh	60, 70.752, 344.589
Yxy	27.5780, 0.3899, 0.2318
Android (android.graphics.Color)	4293809074 (0xFFEE53B2)
YUV	140.1750, 18.6477, 85.7925
Hunter-Lab	52.5148, 65.7729, -14.0539

Details

The Yxy color **27.5780, 0.3899, 0.2318** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **64.9651, 0.2782, 0.4623**, and the grayscale version is **26.2082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2503, 0.3362, 0.2370**, and **10.9456, 0.4135, 0.2051** is the 20% darker color. If you saturate the color by 10%, you get **24.1830, 0.4074, 0.2240**, and if you desaturate by 10%, it is **32.2499, 0.3735, 0.2434**.

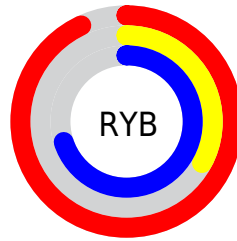
Distribution



Red (93%)

Green (33%)

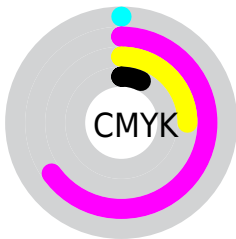
Blue (70%)



Red (93%)

Yellow (33%)

Blue (70%)

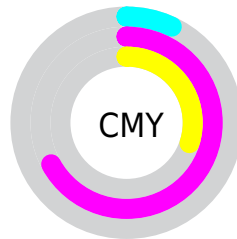


Cyan (0%)

Magenta (65%)

Yellow (25%)

Black (7%)



Cyan (7%)


Magenta (67%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5780, 0.3899, 0.2318 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 27.5780, 0.3899, 0.2318 by changing the saturation by 10% instead.


 27.5780, 0.3899,
0.2318


 27.5780, 0.3899,
0.2318


290.4449, 0.3503,
0.2802


 18.0078, 0.4000,
0.2199


 55.8100, 0.3753,
0.2493

 10.9556, 0.4132,
0.2048


 75.2406, 0.3699,
0.2559

 6.0370, 0.4308,
0.1852


 98.7267, 0.3653,
0.2615

 2.8676, 0.4556,
0.1586

 126.6528, 0.3614,
0.2663

 1.0630, 0.4925,
0.1218

159.4033, 0.3581,
0.2705

 0.0000, 0.5930,
0.0000

197.3626, 0.3551,

 0.0000, 0.9189,

0.2741

0.0000

240.9150, 0.3526,
0.2774

■ 0.0000, 0.0000,
0.0000

■ 27.5780, 0.3899,
0.2318

■ 27.5780, 0.3899,
0.2318

■ 24.1830, 0.4074,
0.2240

■ 32.2499, 0.3735,
0.2434

■ 21.9262, 0.4252,
0.2211

■ 38.3099, 0.3586,
0.2576


■ 20.6437, 0.4428,
0.2234

■ 45.8622, 0.3455,
0.2733

■ 20.2473, 0.4512,
0.2259


■ 54.9995, 0.3342,
0.2896

■ 65.8069, 0.3245,
0.3057

 78.3636, 0.3164,
0.3213

 92.7436, 0.3095,
0.3361

 96.7042, 0.3042,
0.3322

 96.9152, 0.3023,
0.3290

Harmonies

Analogous

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



27.5780, 0.2715, 0.1865



27.5780, 0.3899, 0.2318



27.5780, 0.4978, 0.2954

Triad

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



27.5780, 0.3899, 0.2318



27.5780, 0.4184, 0.5212



27.5780, 0.1291, 0.2250

Complementary

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



27.5780, 0.3899, 0.2318



64.9651, 0.2782, 0.4623

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.



27.5780, 0.1525, 0.3260



27.5780, 0.3899, 0.2318



27.5780, 0.3162, 0.5467

Square

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



27.5780, 0.3899, 0.2318



27.5780, 0.5017, 0.4460



27.5780, 0.2182, 0.4648



27.5780, 0.1408, 0.1770

Rectangle

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



27.5780, 0.3899, 0.2318



27.5780, 0.5339, 0.3428



27.5780, 0.2182, 0.4648



27.5780, 0.1327, 0.2522

Sweetspot

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



27.5794, 0.3899, 0.2318



70.4592, 0.3291, 0.2978



18.1497, 0.2276, 0.1388



14.3345, 0.3319, 0.2932



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.



27.5794, 0.3899, 0.2318



27.3137, 0.4130, 0.2225



25.3058, 0.5020, 0.3121



15.9217, 0.3197, 0.3146



11.3232, 0.4486, 0.2245



0.9614, 0.4273, 0.2127

Inverse Universe

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



27.5794, 0.3899, 0.2318



27.3137, 0.4130, 0.2225



68.1448, 0.2431, 0.3521



15.9217, 0.3197, 0.3146



11.3232, 0.4486, 0.2245



0.9614, 0.4273, 0.2127

Previews

White Background



This preview shows how the Yxy color 27.5780, 0.3899, 0.2318 looks on a white background.

Color Contrast Check

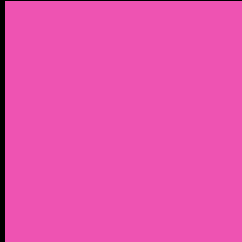
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5780, 0.3899, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

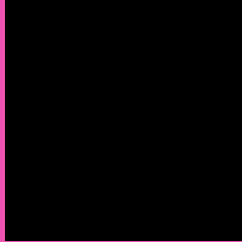
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5780, 0.3899, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 27.5780, 0.3899, 0.2318.



This preview shows how white text looks on a background with the Yxy color 27.5780, 0.3899, 0.2318.

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

27.5780, 0.3899, 0.2318

Protanopia

27.9150, 0.2284, 0.2151

Deuteranopia

27.6782, 0.2893, 0.2828



Tritanopia

27.5459, 0.4750, 0.3220

Trichromacy



Original Color

27.5780, 0.3899, 0.2318



Protanomaly

25.3143, 0.2720, 0.2136



Deuteranomaly

25.7945, 0.3231, 0.2546



Tritanomaly

27.1913, 0.4459, 0.2875

Monochromacy



Original Color

27.5780, 0.3899, 0.2318



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

24.7569, 0.3414, 0.2787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5780, 0.3899, 0.2318 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(238, 83, 178)` looks like.

```
.text, #text, p{  
    color:rgb(238, 83, 178)  
}
```

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(238, 83, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 83, 178) }
```

Border

The CSS property to change the border of an element to Yxy 27.5780, 0.3899, 0.2318 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(238, 83, 178) }
```

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

```
.border{ border-color:rgb(238, 83, 178) }
```

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

Here you see how a box with a 4 pixel rgb(238, 83, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 83, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 83, 178);  
box-shadow:4px 4px 4px 4px rgb(238, 83,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5780, 0.3899, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 83, 178) }
```

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

```
.background{ background-color: rgb(238, 83,  
178) }
```

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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