

Converting Colors

$Y_{xy}(27.2683, 0.3628, 0.2104)$

Have a look what the booklet for
Yxy(27.2683, 0.3628, 0.2104)
contains.

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Color

Yxy(27.2853, 0.3625, 0.2098)

Conversions

Conversions Part 1

Format	Color
Hex	EB4FC5
RGB	235, 79, 197
RGB Percent	92%, 31%, 77%
CMY	0.0783, 0.6903, 0.2273
CMYK	0.00, 0.66, 0.16, 0.08
HSL	315°, 80%, 62%
HSV	315°, 66%, 92%
XYZ	47.1445, 27.2853, 55.6240
YIQ	139.0960, 55.0980, 69.7700

Conversions

Conversions Part 2

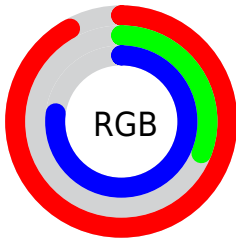
Format	Color
R _{YB}	235, 79, 197
Decimal	15421381
CIE Lab	59.24, 71.49, -30.16
CIE LCh	59, 77.595, 337.126
Yxy	27.2853, 0.3625, 0.2098
Android (android.graphics.Color)	4293611461 (0xFFEB4FC5)
YUV	139.0960, 28.5467, 84.1078
Hunter-Lab	52.2353, 69.6917, -26.5716

Details

The Yxy color **27.2853, 0.3625, 0.2098** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted magenta. A complement of this color would be **62.3770, 0.2881, 0.4971**, and the grayscale version is **25.7259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5927, 0.3188, 0.2177**, and **11.0971, 0.3731, 0.1829** is the 20% darker color. If you saturate the color by 10%, you get **24.2188, 0.3724, 0.2000**, and if you desaturate by 10%, it is **31.5621, 0.3528, 0.2235**.

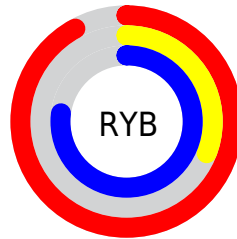
Distribution



Red (92%)

Green (31%)

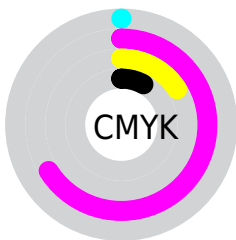
Blue (77%)



Red (92%)

Yellow (31%)

Blue (77%)

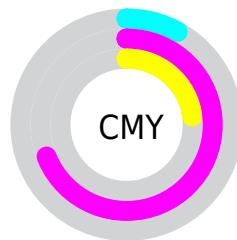


Cyan (0%)

Magenta (66%)

Yellow (16%)

Black (8%)



Cyan (8%)


Magenta (69%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.2853, 0.3625, 0.2098 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 27.2853, 0.3625, 0.2098 by changing the saturation by 10% instead.


 27.2853, 0.3625,
0.2098


 27.2853, 0.3625,
0.2098


289.0358, 0.3387,
0.2675


 17.7876, 0.3680,
0.1962


 55.3413, 0.3542,
0.2302

 10.7976, 0.3748,
0.1794


 74.6685, 0.3509,
0.2380

 5.9309, 0.3833,
0.1580


 98.0409, 0.3482,
0.2447

 2.8031, 0.3941,
0.1303

 125.8430, 0.3458,
0.2505

 1.0298, 0.4077,
0.0942

158.4591, 0.3437,
0.2555

 0.0000, 0.4452,
0.0000

196.2737, 0.3418,

 0.0000, 0.4303,

0.2600

0.0000


239.6712, 0.3402,
0.2639


 0.0000, 0.0000,
0.0000


 27.2853, 0.3625,
0.2098


 27.2853, 0.3625,
0.2098


 24.2188, 0.3724,
0.2000


 31.5621, 0.3528,
0.2235


 22.2255, 0.3823,
0.1949


 37.1589, 0.3437,
0.2402

 21.1403, 0.3919,
0.1945

 44.1774, 0.3354,
0.2588


 20.8735, 0.3953,
0.1951

 52.7083, 0.3280,
0.2783

 62.8350, 0.3215,
0.2980

 74.6344, 0.3159,
0.3171

 88.1785, 0.3111,
0.3355

 95.6465, 0.3074,
0.3411

 95.9973, 0.3041,
0.3354

Harmonies

Analogous

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



27.2853, 0.2401, 0.1686



27.2853, 0.3625, 0.2098



27.2853, 0.4914, 0.2729

Triad

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



27.2853, 0.3625, 0.2098



27.2853, 0.4473, 0.5151



27.2853, 0.1185, 0.2354

Complementary

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



27.2853, 0.3625, 0.2098



62.3770, 0.2881, 0.4971

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.



27.2853, 0.1521, 0.3609



27.2853, 0.3625, 0.2098



27.2853, 0.3399, 0.5711

Square

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



27.2853, 0.3625, 0.2098



27.2853, 0.5305, 0.4274



27.2853, 0.2318, 0.5148



27.2853, 0.1228, 0.1732

Rectangle

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



27.2853, 0.3625, 0.2098



27.2853, 0.5445, 0.3210



27.2853, 0.2318, 0.5148



27.2853, 0.1250, 0.2697

Sweetspot

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



27.2866, 0.3625, 0.2098



70.8916, 0.3238, 0.2907



15.2575, 0.2069, 0.1267



14.4387, 0.3256, 0.2852



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.



27.2866, 0.3625, 0.2098



28.0515, 0.3764, 0.1974



24.6242, 0.4725, 0.2874



15.2474, 0.3175, 0.3113



11.6351, 0.3938, 0.1943



0.9286, 0.3816, 0.1876

Inverse Universe

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



27.2866, 0.3625, 0.2098



28.0515, 0.3764, 0.1974



64.9622, 0.2528, 0.3854



15.2474, 0.3175, 0.3113



11.6351, 0.3938, 0.1943



0.9286, 0.3816, 0.1876

Previews

White Background



This preview shows how the Yxy color 27.2853, 0.3625, 0.2098 looks on a white background.

Color Contrast Check

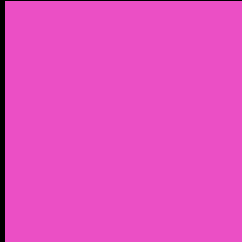
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2853, 0.3625, 0.2098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

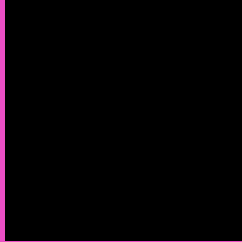
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.2853, 0.3625, 0.2098

Background



This preview shows how black text looks on a background with the Yxy color 27.2853, 0.3625, 0.2098.

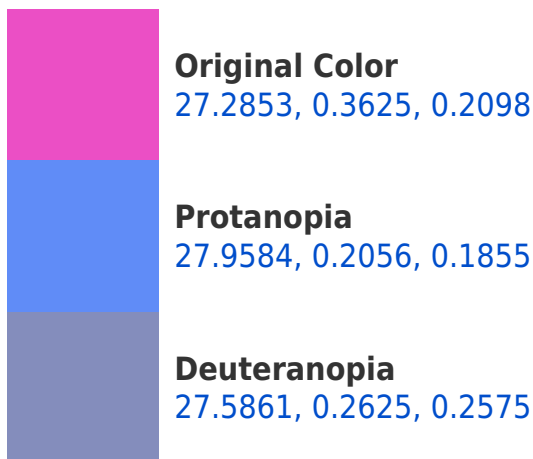


This preview shows how white text looks on a background with the Yxy color 27.2853, 0.3625, 0.2098.

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





Tritanopia

27.1572, 0.4660, 0.3217

Trichromacy



Original Color

27.2853, 0.3625, 0.2098



Protanomaly

24.8171, 0.2425, 0.1843



Deuteranomaly

25.1535, 0.2935, 0.2290



Tritanomaly

26.7814, 0.4286, 0.2765

Monochromacy



Original Color

27.2853, 0.3625, 0.2098



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2593, 0.3323, 0.2673

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.2853, 0.3625, 0.2098 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(235, 79, 197)` looks like.

```
.text, #text, p{  
    color:rgb(235, 79, 197)  
}
```

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(235, 79, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 79, 197) }
```

Border

The CSS property to change the border of an element to Yxy 27.2853, 0.3625, 0.2098 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(235, 79, 197) }
```

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

```
.border{ border-color:rgb(235, 79, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 79, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 79, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 79, 197);  
box-shadow:4px 4px 4px 4px rgb(235, 79,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 27.2853, 0.3625, 0.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 79, 197) }
```

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

```
.background{ background-color: rgb(235, 79,  
197) }
```

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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