

Converting Colors

$Y_{xy}(27.6984, 0.3739, 0.2126)$

Have a look what the booklet for
Yxy(27.6984, 0.3739, 0.2126)
contains.

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Color

Yxy(27.8044, 0.3745, 0.2131)

Conversions

Conversions Part 1

Format	Color
Hex	F24BC2
RGB	242, 75, 194
RGB Percent	95%, 29%, 76%
CMY	0.0511, 0.7057, 0.2394
CMYK	0.00, 0.69, 0.20, 0.05
HSL	317°, 87%, 62%
HSV	317°, 69%, 95%
XYZ	48.8632, 27.8044, 53.8082
YIQ	138.4990, 61.3330, 72.4130

Conversions

Conversions Part 2

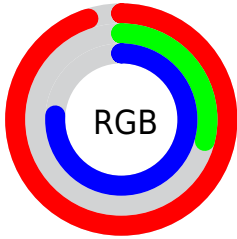
Format	Color
R _Y B	242, 75, 194
Decimal	15879106
CIE Lab	59.71, 74.20, -27.58
CIE LCh	60, 79.163, 339.607
Yxy	27.8044, 0.3745, 0.2131
Android (android.graphics.Color)	4294069186 (0xFFFF24BC2)
YUV	138.4990, 27.3620, 90.7704
Hunter-Lab	52.7299, 73.1333, -23.5916

Details

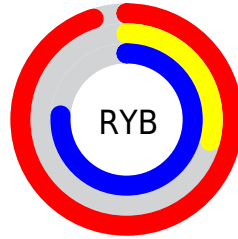
The Yxy color **27.8044, 0.3745, 0.2131** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **66.4223, 0.2848, 0.4949**, and the grayscale version is **25.4988, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8334, 0.3215, 0.2184**, and **11.8385, 0.3894, 0.1919** is the 20% darker color. If you saturate the color by 10%, you get **24.8163, 0.3867, 0.2052**, and if you desaturate by 10%, it is **32.0575, 0.3627, 0.2252**.

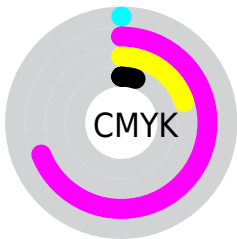
Distribution



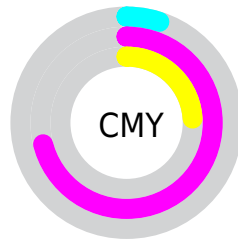
- Red (95%)
- Green (29%)
- Blue (76%)



- Red (95%)
- Yellow (29%)
- Blue (76%)



- Cyan (0%)
- Magenta (69%)
- Yellow (20%)
- Black (5%)





- Cyan (5%)
- Magenta (71%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8044, 0.3745, 0.2131 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 27.8044, 0.3745, 0.2131 by changing the saturation by 10% instead.


 27.8044, 0.3745,
0.2131


 27.8044, 0.3745,
0.2131


291.5311, 0.3442,
0.2692


 18.1783, 0.3818,
0.1998


 56.1720, 0.3637,
0.2330

 11.0780, 0.3909,
0.1834


 75.6823, 0.3596,
0.2406

 6.1194, 0.4026,
0.1624


 99.2560, 0.3561,
0.2471

 2.9178, 0.4181,
0.1351

 127.2777, 0.3530,
0.2527

 1.0890, 0.4392,
0.0993

160.1316, 0.3504,
0.2577

 0.0000, 0.4942,
0.0000

198.2022, 0.3481,

 0.0000, 0.5143,

0.2620

0.0000

241.8739, 0.3461,
0.2658

■ 0.0000, 0.0000,
0.0000

■ 27.8044, 0.3745,
0.2131

■ 27.8044, 0.3745,
0.2131

■ 24.8163, 0.3867,
0.2052

■ 32.0575, 0.3627,
0.2252

■ 22.9388, 0.3988,
0.2022

■ 37.6984, 0.3516,
0.2404

■ 21.9474, 0.4106,
0.2039


■ 44.8397, 0.3414,
0.2578

■ 21.8669, 0.4118,
0.2042


■ 53.5814, 0.3325,
0.2762

■ 64.0148, 0.3246,
0.2949

 76.2243, 0.3179,
0.3132

 90.2888, 0.3122,
0.3307

 97.2739, 0.3077,
0.3342

 97.6139, 0.3047,
0.3290

Harmonies

Analogous

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



27.8044, 0.2479, 0.1694



27.8044, 0.3745, 0.2131



27.8044, 0.5025, 0.2778

Triad

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



27.8044, 0.3745, 0.2131



27.8044, 0.4395, 0.5234



27.8044, 0.1158, 0.2266

Complementary

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



27.8044, 0.3745, 0.2131



66.4223, 0.2848, 0.4949

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.



27.8044, 0.1457, 0.3481



27.8044, 0.3745, 0.2131



27.8044, 0.3302, 0.5751

Square

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



27.8044, 0.3745, 0.2131



27.8044, 0.5272, 0.4348



27.8044, 0.2222, 0.5070



27.8044, 0.1230, 0.1686

Rectangle

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



27.8044, 0.3745, 0.2131



27.8044, 0.5512, 0.3266



27.8044, 0.2222, 0.5070



27.8044, 0.1211, 0.2593

Sweetspot

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



27.8058, 0.3745, 0.2131



69.5107, 0.3262, 0.2910



15.6110, 0.2082, 0.1221



14.1639, 0.3283, 0.2859



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.



27.8058, 0.3745, 0.2131



26.9137, 0.3919, 0.2033



25.0649, 0.4954, 0.2956



15.9494, 0.3182, 0.3123



11.7740, 0.4099, 0.2032



0.9966, 0.3954, 0.1952

Inverse Universe

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



27.8058, 0.3745, 0.2131



26.9137, 0.3919, 0.2033



69.4377, 0.2481, 0.3764



15.9494, 0.3182, 0.3123



11.7740, 0.4099, 0.2032



0.9966, 0.3954, 0.1952

Previews

White Background



This preview shows how the Yxy color 27.8044, 0.3745, 0.2131 looks on a white background.

Color Contrast Check

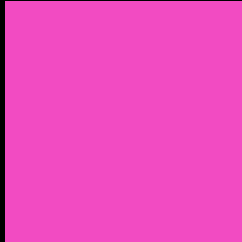
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8044, 0.3745, 0.2131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

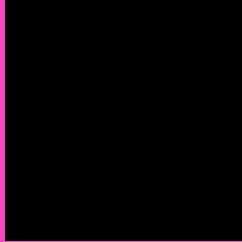
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8044, 0.3745, 0.2131

Background



This preview shows how black text looks on a background with the Yxy color 27.8044, 0.3745, 0.2131.



This preview shows how white text looks on a background with the Yxy color 27.8044, 0.3745, 0.2131.

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

27.8044, 0.3745, 0.2131

Protanopia

28.3562, 0.2078, 0.1882

Deuteranopia

27.8288, 0.2700, 0.2637



Tritanopia

27.6683, 0.4790, 0.3221

Trichromacy



Original Color

27.8044, 0.3745, 0.2131



Protanomaly

24.8479, 0.2470, 0.1860



Deuteranomaly

25.4674, 0.3029, 0.2329



Tritanomaly

27.3508, 0.4417, 0.2788

Monochromacy



Original Color

27.8044, 0.3745, 0.2131



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

24.2241, 0.3360, 0.2677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8044, 0.3745, 0.2131 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, 75, 194)` looks like.

```
.text, #text, p{  
  color:rgb(242, 75, 194)  
}
```

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, 75, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 75, 194) }
```

Border

The CSS property to change the border of an element to Yxy 27.8044, 0.3745, 0.2131 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, 75, 194) }
```

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

```
.border{ border-color:rgb(242, 75, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 75, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 75, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 75, 194);  
box-shadow:4px 4px 4px 4px rgb(242, 75,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8044, 0.3745, 0.2131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 75, 194) }
```

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

```
.background{ background-color: rgb(242, 75,  
194) }
```

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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