

Converting Colors

$Y_{xy}(27.8762, 0.4101, 0.2279)$

Have a look what the booklet for
Yxy(27.8762, 0.4101, 0.2279)
contains.

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Color

Yxy(27.7662, 0.4097, 0.2274)

Conversions

Conversions Part 1

Format	Color
Hex	FC42B1
RGB	252, 66, 177
RGB Percent	99%, 26%, 69%
CMY	0.0118, 0.7411, 0.3059
CMYK	0.00, 0.74, 0.30, 0.01
HSL	324°, 97%, 62%
HSV	324°, 74%, 99%
XYZ	50.0256, 27.7662, 44.3111
YIQ	134.2680, 75.2250, 73.9530

Conversions

Conversions Part 2

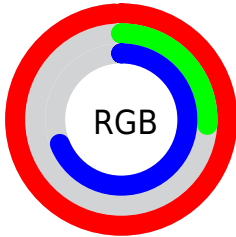
Format	Color
R _Y B	252, 66, 177
Decimal	16532145
CIE Lab	59.68, 77.50, -17.73
CIE LCh	60, 79.505, 347.112
Yxy	27.7662, 0.4097, 0.2274
Android (android.graphics.Color)	4294722225 (0xFFFC42B1)
YUV	134.2680, 21.0669, 103.2510
Hunter-Lab	52.6936, 77.2480, -12.9726

Details

The Yxy color **27.7662, 0.4097, 0.2274** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **72.6989, 0.2762, 0.4795**, and the grayscale version is **23.8490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.8437, 0.3382, 0.2271**, and **12.5316, 0.4345, 0.2167** is the 20% darker color. If you saturate the color by 10%, you get **25.0516, 0.4286, 0.2242**, and if you desaturate by 10%, it is **31.8097, 0.3913, 0.2354**.

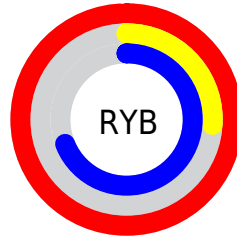
Distribution



Red (99%)

Green (26%)

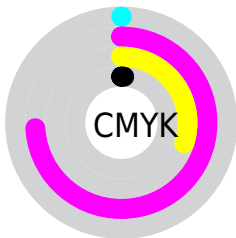
Blue (69%)



Red (99%)

Yellow (26%)

Blue (69%)

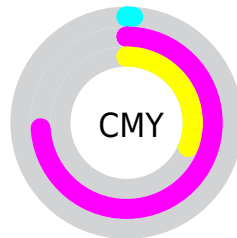


Cyan (0%)

Magenta (74%)

Yellow (30%)

Black (1%)



Cyan (1%)


Magenta (74%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7662, 0.4097, 0.2274 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 27.7662, 0.4097, 0.2274 by changing the saturation by 10% instead.


 27.7662, 0.4097,
0.2274

 27.7662, 0.4097,
0.2274


291.3480, 0.3597,
0.2778


 18.1495, 0.4225,
0.2151


 56.1110, 0.3913,
0.2456


 11.0574, 0.4391,
0.1995


 75.6078, 0.3844,
0.2524


 6.1054, 0.4615,
0.1794


 99.1668, 0.3787,
0.2583

 2.9093, 0.4928,
0.1524

 127.1723, 0.3737,
0.2633

 1.0846, 0.5393,
0.1154

 160.0088, 0.3695,
0.2676

 0.0000, 0.6554,
0.0000

198.0607, 0.3658,

 0.0000, 1.0000,

0.2715

0.0000

241.7123, 0.3626,
0.2748

■ 0.0000, 0.0000,
0.0000

■ 27.7662, 0.4097,
0.2274

■ 27.7662, 0.4097,
0.2274

■ 25.0516, 0.4286,
0.2242

■ 31.8097, 0.3913,
0.2354

■ 23.4764, 0.4473,
0.2264


■ 37.3294, 0.3742,
0.2470


■ 22.9074, 0.4586,
0.2300


■ 44.4577, 0.3588,
0.2611

■ 53.3112, 0.3453,
0.2766

■ 63.9953, 0.3336,
0.2926

 76.6070, 0.3238,
0.3083

 91.2366, 0.3155,
0.3235

 99.4339, 0.3109,
0.3290

Harmonies

Analogous

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



27.7662, 0.2759, 0.1773



27.7662, 0.4097, 0.2274



27.7662, 0.5265, 0.2956

Triad

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



27.7662, 0.4097, 0.2274



27.7662, 0.4133, 0.5436



27.7662, 0.1138, 0.2063

Complementary

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



27.7662, 0.4097, 0.2274



72.6989, 0.2762, 0.4795

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.



27.7662, 0.1334, 0.3111



27.7662, 0.4097, 0.2274



27.7662, 0.3019, 0.5730

Square

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



27.7662, 0.4097, 0.2274



27.7662, 0.5094, 0.4573



27.7662, 0.1983, 0.4709



27.7662, 0.1294, 0.1609

Rectangle

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



27.7662, 0.4097, 0.2274



27.7662, 0.5594, 0.3455



27.7662, 0.1983, 0.4709



27.7662, 0.1161, 0.2335

Sweetspot

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



27.7677, 0.4097, 0.2274



67.9083, 0.3317, 0.2954



16.5393, 0.2162, 0.1176



13.8362, 0.3346, 0.2911



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.



27.7677, 0.4097, 0.2274



24.7539, 0.4385, 0.2247



25.2438, 0.5461, 0.3154



17.3991, 0.3200, 0.3149



11.9636, 0.4556, 0.2284



1.1290, 0.4351, 0.2171

Inverse Universe

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



27.7677, 0.4097, 0.2274



24.7539, 0.4385, 0.2247



76.6806, 0.2378, 0.3518



17.3991, 0.3200, 0.3149



11.9636, 0.4556, 0.2284



1.1290, 0.4351, 0.2171

Previews

White Background



This preview shows how the Yxy color 27.7662, 0.4097, 0.2274 looks on a white background.

Color Contrast Check

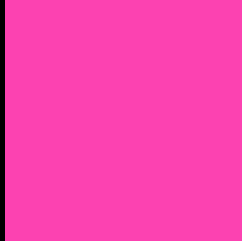
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7662, 0.4097, 0.2274 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 27.7662, 0.4097, 0.2274

Background



This preview shows how black text looks on a background with the Yxy color 27.7662, 0.4097, 0.2274.



This preview shows how white text looks on a background with the Yxy color 27.7662, 0.4097, 0.2274.

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

27.7662, 0.4097, 0.2274

Protanopia

28.0705, 0.2196, 0.2038

Deuteranopia

27.7492, 0.2940, 0.2874



Tritanopia

27.7314, 0.5124, 0.3250

Trichromacy



Original Color

27.7662, 0.4097, 0.2274



Protanomaly

24.3148, 0.2675, 0.2003



Deuteranomaly

25.0648, 0.3328, 0.2508



Tritanomaly

27.3220, 0.4776, 0.2877

Monochromacy



Original Color

27.7662, 0.4097, 0.2274



Achromatopsia

23.8398, 0.3127, 0.3290



Achromatomaly

22.4864, 0.3496, 0.2701

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7662, 0.4097, 0.2274 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(252, 66, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 66, 177)  
}
```

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(252, 66, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 66, 177) }
```

Border

The CSS property to change the border of an element to Yxy 27.7662, 0.4097, 0.2274 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(252, 66, 177) }
```

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

```
.border{ border-color:rgb(252, 66, 177) }
```

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

Here you see how a box with a 4 pixel rgb(252, 66, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 66, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 66, 177);  
box-shadow:4px 4px 4px 4px rgb(252, 66,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7662, 0.4097, 0.2274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 66, 177) }
```

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

```
.background{ background-color: rgb(252, 66,  
177) }
```

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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