

Converting Colors

$Y_{xy}(27.7805, 0.4656, 0.2678)$

Have a look what the booklet for
Yxy(27.7805, 0.4656, 0.2678)
contains.

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Color

Yxy(27.7882, 0.4656, 0.2679)

Conversions

Conversions Part 1

Format	Color
Hex	FF488C
RGB	255, 72, 140
RGB Percent	100%, 28%, 55%
CMY	0.0000, 0.7177, 0.4508
CMYK	0.00, 0.72, 0.45, 0.00
HSL	338°, 100%, 64%
HSV	338°, 72%, 100%
XYZ	48.2948, 27.7882, 27.6430
YIQ	134.4690, 87.2400, 59.9440

Conversions

Conversions Part 2

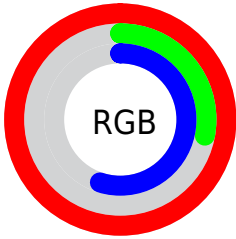
Format	Color
RYB	255, 72, 140
Decimal	16730252
CIELab	59.70, 72.71, 3.87
CIELCh	60, 72.809, 3.048
Yxy	27.7882, 0.4656, 0.2679
Android (android.graphics.Color)	4294920332 (0xFFFF488C)
YUV	134.4690, 2.7268, 105.7057
Hunter-Lab	52.7145, 71.2838, 5.8091

Details

The Yxy color **27.7882, 0.4656, 0.2679** is a light color, and the websafe version is hex **FF6699**. The color can be described as light washed rose. A complement of this color would be **76.4836, 0.2588, 0.4176**, and the grayscale version is **23.9873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8853, 0.3785, 0.2675**, and **12.0756, 0.5109, 0.2588** is the 20% darker color. If you saturate the color by 10%, you get **24.7086, 0.4986, 0.2685**, and if you desaturate by 10%, it is **32.3033, 0.4338, 0.2718**.

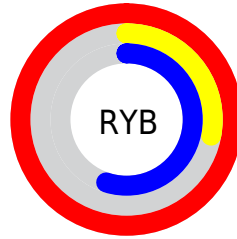
Distribution



Red (100%)

Green (28%)

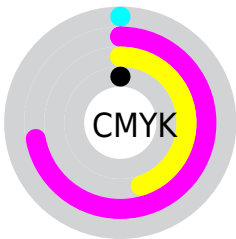
Blue (55%)



Red (100%)

Yellow (28%)

Blue (55%)

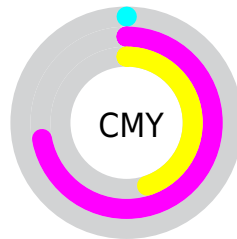


Cyan (0%)

Magenta (72%)

Yellow (45%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7882, 0.4656, 0.2679 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 27.7882, 0.4656, 0.2679 by changing the saturation by 10% instead.

 27.7882, 0.4656,
0.2679


 27.7882, 0.4656,
0.2679


291.4535, 0.3833,
0.3015


 18.1661, 0.4878,
0.2586


 56.1461, 0.4344,
0.2808


 11.0693, 0.5172,
0.2460


 75.6507, 0.4231,
0.2855


 6.1135, 0.5575,
0.2286

 99.2182, 0.4137,
0.2893

 2.9142, 0.6155,
0.2028

 127.2330, 0.4057,
0.2925

 1.0871, 0.7029,
0.1627

 160.0796, 0.3989,
0.2953

 0.0000, 1.0000,
0.0000

198.1422, 0.3930,

 0.0000, 0.0000,

0.2977

0.0000

241.8054, 0.3879,
0.2997

■ 27.7882, 0.4656,
0.2679

■ 27.7882, 0.4656,
0.2679

■ 24.7086, 0.4986,
0.2685

■ 32.3033, 0.4338,
0.2718

■ 22.8788, 0.5304,
0.2744


■ 38.4061, 0.4050,
0.2789


■ 22.0828, 0.5541,
0.2826

■ 46.2303, 0.3799,
0.2879

■ 55.8952, 0.3586,
0.2979

■ 67.5093, 0.3410,
0.3081

 81.1726, 0.3265,
0.3180

 96.9783, 0.3146,
0.3274

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



27.7882, 0.3427, 0.2092



27.7882, 0.4656, 0.2679



27.7882, 0.5377, 0.3382

Triad

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



27.7882, 0.4656, 0.2679



27.7882, 0.3561, 0.5530



27.7882, 0.1291, 0.1871

Complementary

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



27.7882, 0.4656, 0.2679



76.4836, 0.2588, 0.4176

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.



27.7882, 0.1301, 0.2547



27.7882, 0.4656, 0.2679



27.7882, 0.2515, 0.5147

Square

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



27.7882, 0.4656, 0.2679



27.7882, 0.4559, 0.4971



27.7882, 0.1693, 0.3795



27.7882, 0.1616, 0.1641

Rectangle

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



27.7882, 0.4656, 0.2679



27.7882, 0.5391, 0.3888



27.7882, 0.1693, 0.3795



27.7882, 0.1257, 0.2038

Sweetspot

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



27.7886, 0.4656, 0.2679



67.2153, 0.3413, 0.3079



22.1495, 0.2533, 0.1391



13.6730, 0.3458, 0.3051



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.



27.7886, 0.4656, 0.2679



23.7936, 0.5124, 0.2704



29.6173, 0.5429, 0.3469



18.0988, 0.3236, 0.3202



11.5651, 0.5498, 0.2802



1.1463, 0.5188, 0.2631

Inverse Universe

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



27.7886, 0.4656, 0.2679



23.7936, 0.5124, 0.2704



67.2437, 0.2252, 0.3026



18.0988, 0.3236, 0.3202



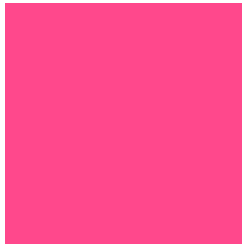
11.5651, 0.5498, 0.2802



1.1463, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 27.7882, 0.4656, 0.2679 looks on a white background.

Color Contrast Check

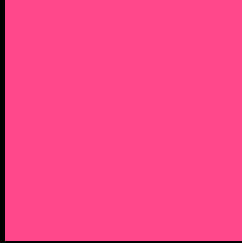
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7882, 0.4656, 0.2679 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 27.7882, 0.4656, 0.2679

Background



This preview shows how black text looks on a background with the Yxy color 27.7882, 0.4656, 0.2679.

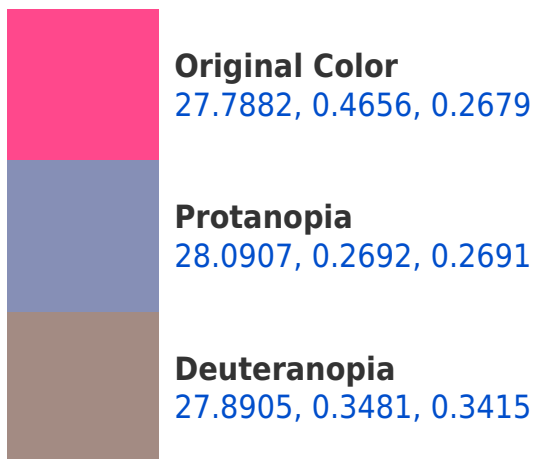


This preview shows how white text looks on a background with the Yxy color 27.7882, 0.4656, 0.2679.

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

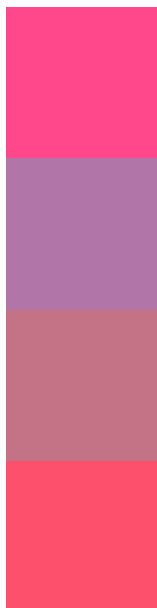




Tritanopia

27.7574, 0.5289, 0.3254

Trichromacy



Original Color

27.7882, 0.4656, 0.2679

Protanomaly

24.9776, 0.3289, 0.2591

Deuteranomaly

25.7185, 0.3920, 0.3037

Tritanomaly

27.7027, 0.5070, 0.3048

Monochromacy



Original Color

27.7882, 0.4656, 0.2679

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.6114, 0.3688, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7882, 0.4656, 0.2679 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(255, 72, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 72, 140)  
}
```

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(255, 72, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 72, 140) }
```

Border

The CSS property to change the border of an element to Yxy 27.7882, 0.4656, 0.2679 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(255, 72, 140) }
```

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

```
.border{ border-color:rgb(255, 72, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 72, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 72, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 72, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 72,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7882, 0.4656, 0.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 72, 140) }
```

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

```
.background{ background-color: rgb(255, 72,  
140) }
```

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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