

Converting Colors

$Y_{xy}(35.1017, 0.4993, 0.2977)$

Have a look what the booklet for
Yxy(35.1017, 0.4993, 0.2977)
contains.

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Color

Yxy(29.7980, 0.4766, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	FF5880
RGB	255, 88, 128
RGB Percent	100%, 35%, 50%
CMY	0.0000, 0.6550, 0.4980
CMYK	0.00, 0.66, 0.50, 0.00
HSL	346°, 100%, 67%
HSV	346°, 66%, 100%
XYZ	48.6361, 29.7980, 23.6139
YIQ	142.4930, 86.6920, 47.8440

Conversions

Conversions Part 2

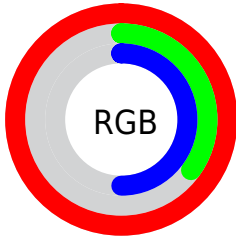
Format	Color
R_{YB}	255, 88, 128
Decimal	16734336
CIE Lab	61.48, 65.96, 13.42
CIE LCh	61, 67.312, 11.503
Yxy	29.7980, 0.4766, 0.2920
Android (android.graphics.Color)	4294924416 (0xFFFF5880)
YUV	142.4930, -7.1450, 98.6686
Hunter-Lab	54.5875, 63.5106, 12.5632

Details

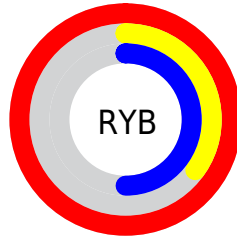
The Yxy color **29.7980, 0.4766, 0.2920** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **78.4973, 0.2512, 0.3788**, and the grayscale version is **27.2511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.1540, 0.3880, 0.2927**, and **12.2160, 0.5320, 0.2758** is the 20% darker color. If you saturate the color by 10%, you get **25.8525, 0.5166, 0.2920**, and if you desaturate by 10%, it is **35.2943, 0.4389, 0.2951**.

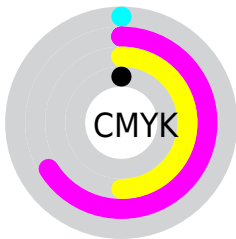
Distribution



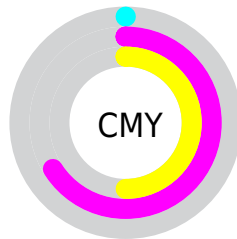
- Red (100%)
- Green (35%)
- Blue (50%)



- Red (100%)
- Yellow (35%)
- Blue (50%)



- Cyan (0%)
- Magenta (66%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7980, 0.4766, 0.2920 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 29.7980, 0.4766, 0.2920 by changing the saturation by 10% instead.


 29.7980, 0.4766,
0.2920


 29.7980, 0.4766,
0.2920


300.9617, 0.3886,
0.3145

 19.6853, 0.5002,
0.2850


 59.3426, 0.4434,
0.3012

 12.1665, 0.5311,
0.2752


 79.5433, 0.4312,
0.3043

 6.8572, 0.5732,
0.2608


 103.8754, 0.4211,
0.3069

 3.3729, 0.6327,
0.2383

 132.7234, 0.4126,
0.3090

 1.3294, 0.7288,
0.2032

166.4716, 0.4053,
0.3107

 0.1638, 0.9291,
0.0709

205.5045, 0.3990,


 0.0000, 1.0000,


0.3122

0.0000

250.2064, 0.3935,
0.3134


 0.0000, 0.0000,
0.0000


 29.7980, 0.4766,
0.2920


 29.7980, 0.4766,
0.2920


 25.8525, 0.5166,
0.2920


 35.2943, 0.4389,
0.2951


 23.3065, 0.5553,
0.2961


 42.4983, 0.4057,
0.3002


 21.9506, 0.5883,
0.3041

 51.5315, 0.3775,
0.3064

 21.5983, 0.6006,
0.3082

 62.5083, 0.3542,
0.3130

 75.5333, 0.3352,
0.3195

 90.7041, 0.3199,
0.3258

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.



29.7980, 0.3731, 0.2323



29.7980, 0.4766, 0.2920



29.7980, 0.5230, 0.3609

Triad

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



29.7980, 0.4766, 0.2920



29.7980, 0.3287, 0.5316



29.7980, 0.1473, 0.1889

Complementary

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



29.7980, 0.4766, 0.2920



78.4973, 0.2512, 0.3788

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.



29.7980, 0.1396, 0.2400



29.7980, 0.4766, 0.2920



29.7980, 0.2341, 0.4654

Square

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



29.7980, 0.4766, 0.2920



29.7980, 0.4241, 0.5046



29.7980, 0.1669, 0.3399



29.7980, 0.1877, 0.1755

Rectangle

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



29.7980, 0.4766, 0.2920



29.7980, 0.5130, 0.4098



29.7980, 0.1669, 0.3399



29.7980, 0.1411, 0.2011

Sweetspot

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



29.7931, 0.4766, 0.2920



69.4153, 0.3433, 0.3166



28.3767, 0.2804, 0.1622



14.0857, 0.3487, 0.3148



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.



29.7931, 0.4766, 0.2920



24.8128, 0.5305, 0.2930



37.8567, 0.4963, 0.3688



18.0585, 0.3256, 0.3233



11.3049, 0.5967, 0.3061



1.1169, 0.5655, 0.2889

Inverse Universe

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



29.7931, 0.4766, 0.2920



24.8128, 0.5305, 0.2930



57.0036, 0.2228, 0.2766



18.0585, 0.3256, 0.3233



11.3049, 0.5967, 0.3061



1.1169, 0.5655, 0.2889

Previews

White Background



This preview shows how the Yxy color 29.7980, 0.4766, 0.2920 looks on a white background.

Color Contrast Check

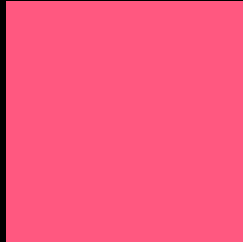
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7980, 0.4766, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

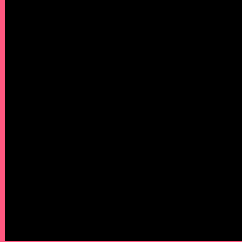
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7980, 0.4766, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 29.7980, 0.4766, 0.2920.



This preview shows how white text looks on a background with the Yxy color 29.7980, 0.4766, 0.2920.

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

29.7980, 0.4766, 0.2920

Protanopia

30.0138, 0.3015, 0.3105

Deuteranopia

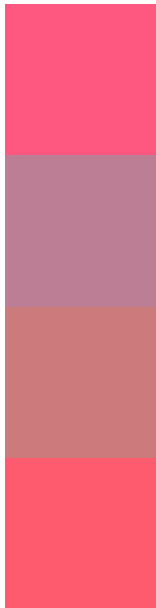
29.8852, 0.3701, 0.3633



Tritanopia

29.7889, 0.5103, 0.3251

Trichromacy



Original Color

29.7980, 0.4766, 0.2920

Protanomaly

27.6246, 0.3599, 0.2986

Deuteranomaly

28.2925, 0.4107, 0.3293

Tritanomaly

29.8509, 0.4982, 0.3130

Monochromacy



Original Color

29.7980, 0.4766, 0.2920

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

25.7925, 0.3699, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7980, 0.4766, 0.2920 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, 88, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 128)  
}
```

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, 88, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 128) }
```

Border

The CSS property to change the border of an element to Yxy 29.7980, 0.4766, 0.2920 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, 88, 128) }
```

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

```
.border{ border-color:rgb(255, 88, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 88, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7980, 0.4766, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 128) }
```

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

```
.background{ background-color: rgb(255, 88,  
128) }
```

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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