

# Converting Colors

$Y_{xy}(29.9276, 0.4302, 0.2896)$

Have a look what the booklet for  
Yxy(29.9276, 0.4302, 0.2896)  
contains.

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# Color

**Yxy(29.8890, 0.4305, 0.2890)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EC698E
RGB	236, 105, 142
RGB Percent	93%, 41%, 56%
CMY	0.0745, 0.5882, 0.4432
CMYK	0.00, 0.55, 0.40, 0.07
HSL	343°, 78%, 67%
HSV	343°, 55%, 93%
XYZ	44.5232, 29.8890, 29.0099
YIQ	148.3870, 66.1990, 39.2790

# Conversions

## Conversions Part 2

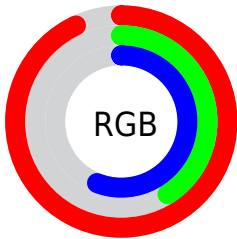
Format	Color
R <sub>Y</sub> B	236, 105, 142
Decimal	15493518
CIE Lab	61.56, 54.01, 5.03
CIE LCh	62, 54.247, 5.317
Yxy	29.8890, 0.4305, 0.2890
Android (android.graphics.Color)	4293683598 (0xFFEC698E)
YUV	148.3870, -3.1488, 76.8366
Hunter-Lab	54.6708, 49.6942, 6.8086

# Details

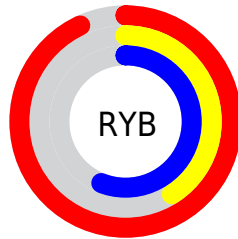
The Yxy color **29.8890, 0.4305, 0.2890** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **67.1140, 0.2594, 0.3774**, and the grayscale version is **29.7791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3871, 0.3692, 0.2917**, and **12.1994, 0.4703, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **25.2604, 0.4655, 0.2849**, and if you desaturate by 10%, it is **35.9315, 0.3996, 0.2952**.

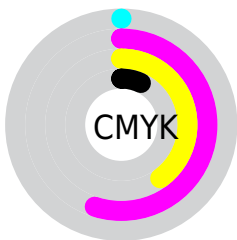
# Distribution



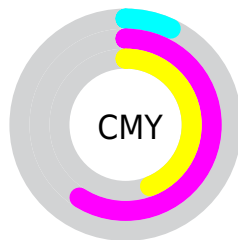
- Red (93%)
- Green (41%)
- Blue (56%)



- Red (93%)
- Yellow (41%)
- Blue (56%)



- Cyan (0%)
- Magenta (55%)
- Yellow (40%)
- Black (7%)




- Cyan (7%)
- Magenta (59%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8890, 0.4305, 0.2890 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 29.8890, 0.4305, 0.2890 by changing the saturation by 10% instead.





 29.8890, 0.4305,  
0.2890


 29.8890, 0.4305,  
0.2890


301.3867, 0.3673,  
0.3112


 19.7544, 0.4477,  
0.2827


 59.4866, 0.4065,  
0.2976


 12.2166, 0.4705,  
0.2741


 79.7183, 0.3978,  
0.3007

 6.8914, 0.5022,  
0.2619


 104.0845, 0.3906,  
0.3032

 3.3943, 0.5487,  
0.2434

 132.9696, 0.3844,  
0.3054

 1.3409, 0.6220,  
0.2126

166.7580, 0.3792,  
0.3072

 0.1725, 0.9058,  
0.0942

205.8341, 0.3747,


 0.0000, 1.0000,


0.3087


0.0000


250.5822, 0.3708,  
0.3101


 0.0000, 0.0000,  
0.0000


 29.8890, 0.4305,  
0.2890

 29.8890, 0.4305,  
0.2890


 25.2604, 0.4655,  
0.2849


 35.9315, 0.3996,  
0.2952

 21.9243, 0.5031,  
0.2842


 43.4868, 0.3734,  
0.3026


 19.7463, 0.5402,  
0.2878

 52.6505, 0.3517,  
0.3103

 18.5597, 0.5732,  
0.2959

 63.5086, 0.3339,  
0.3179

 18.2320, 0.5862,  
0.3003

 76.1413, 0.3195,  
0.3252

 90.6234, 0.3077,  
0.3320

 96.5712, 0.3011,  
0.3290

# Harmonies

## Analogous

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



29.8890, 0.3438, 0.2394



29.8890, 0.4305, 0.2890



29.8890, 0.4811, 0.3486

# Triad

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



29.8890, 0.4305, 0.2890



29.8890, 0.3479, 0.4918



29.8890, 0.1688, 0.2192

# Complementary

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



29.8890, 0.4305, 0.2890



67.1140, 0.2594, 0.3774

# 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.



29.8890, 0.1692, 0.2725



29.8890, 0.4305, 0.2890



29.8890, 0.2662, 0.4519

# Square

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



29.8890, 0.4305, 0.2890



29.8890, 0.4246, 0.4675



29.8890, 0.2018, 0.3602



29.8890, 0.1985, 0.1997



# Rectangle

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



29.8890, 0.4305, 0.2890



29.8890, 0.4837, 0.3905



29.8890, 0.2018, 0.3602



29.8890, 0.1656, 0.2329

# Sweetspot

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



29.8906, 0.4305, 0.2890



73.5479, 0.3365, 0.3167



28.2881, 0.2829, 0.1831



15.1617, 0.3399, 0.3152



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.



29.8906, 0.4305, 0.2890



29.3004, 0.4721, 0.2845



35.7348, 0.4596, 0.3603



15.1240, 0.3249, 0.3224



10.0698, 0.5821, 0.2980



0.8067, 0.5427, 0.2763



# Inverse Universe

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



29.8906, 0.4305, 0.2890



29.3004, 0.4721, 0.2845



53.9831, 0.2349, 0.2920



15.1240, 0.3249, 0.3224



10.0698, 0.5821, 0.2980



0.8067, 0.5427, 0.2763



# Previews

## White Background



This preview shows how the Yxy color 29.8890, 0.4305, 0.2890 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

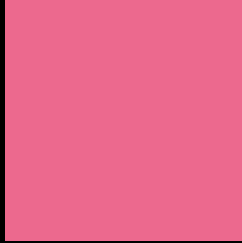
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 29.8890, 0.4305, 0.2890 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

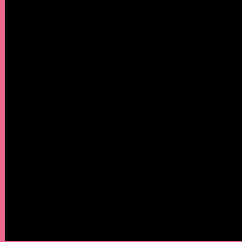
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 29.8890, 0.4305, 0.2890**

## Background



This preview shows how black text looks on a background with the Yxy color 29.8890, 0.4305, 0.2890.



This preview shows how white text looks on a background with the Yxy color 29.8890, 0.4305, 0.2890.

# 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

29.8890, 0.4305, 0.2890

### Protanopia

30.0808, 0.2933, 0.2999

### Deuteranopia

30.0489, 0.3470, 0.3411



## Tritanopia

29.9286, 0.4593, 0.3218

# Trichromacy



## Original Color

29.8890, 0.4305, 0.2890

## Protanomaly

28.5549, 0.3379, 0.2923

## Deuteranomaly

29.1377, 0.3775, 0.3183

## Tritanomaly

29.8936, 0.4496, 0.3098

# Monochromacy



## Original Color

29.8890, 0.4305, 0.2890

## Achromatopsia

29.6138, 0.3127, 0.3290

## Achromatomaly

28.2811, 0.3526, 0.3091

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 29.8890, 0.4305, 0.2890 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(236, 105, 142)` looks like.

```
.text, #text, p{  
    color:rgb(236, 105, 142)  
}
```

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(236, 105, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 105, 142) }
```

## Border

The CSS property to change the border of an element to Yxy 29.8890, 0.4305, 0.2890 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(236, 105, 142) }
```

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

```
.border{ border-color:rgb(236, 105, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 105, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 105, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 105, 142);  
box-shadow:4px 4px 4px 4px rgb(236, 105,  
142) }
```



# Background

The CSS property to change the background color of an element to Yxy 29.8890, 0.4305, 0.2890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 105, 142) }
```

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

```
.background{ background-color: rgb(236,  
105, 142) }
```

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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