

Converting Colors

$Y_{xy}(29.9220, 0.4294, 0.2841)$

Have a look what the booklet for
Yxy(29.9220, 0.4294, 0.2841)
contains.

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Color

Yxy(29.9220, 0.4294, 0.2841)

Conversions

Conversions Part 1

Format	Color
Hex	EE6791
RGB	238, 103, 145
RGB Percent	93%, 40%, 57%
CMY	0.0666, 0.5961, 0.4314
CMYK	0.00, 0.57, 0.39, 0.07
HSL	341°, 80%, 67%
HSV	341°, 57%, 93%
XYZ	45.2253, 29.9220, 30.1748
YIQ	148.1530, 66.9780, 41.6820

Conversions

Conversions Part 2

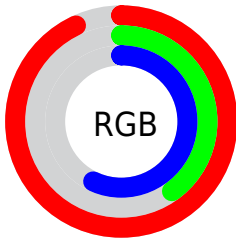
Format	Color
R _Y B	238, 103, 145
Decimal	15624081
CIE Lab	61.59, 55.92, 3.38
CIE LCh	62, 56.023, 3.455
Yxy	29.9220, 0.4294, 0.2841
Android (android.graphics.Color)	4293814161 (0xFFEE6791)
YUV	148.1530, -1.5544, 78.7958
Hunter-Lab	54.7010, 51.8522, 5.5845

Details

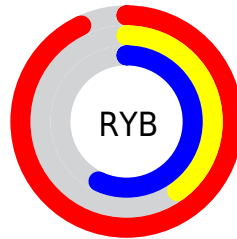
The Yxy color **29.9220, 0.4294, 0.2841** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **68.0307, 0.2605, 0.3841**, and the grayscale version is **29.6666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.1798, 0.3665, 0.2876**, and **12.2452, 0.4682, 0.2679** is the 20% darker color. If you saturate the color by 10%, you get **25.3742, 0.4632, 0.2798**, and if you desaturate by 10%, it is **35.8932, 0.3994, 0.2908**.

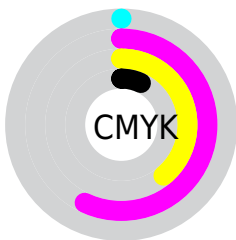
Distribution



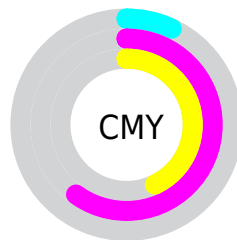
- Red (93%)
- Green (40%)
- Blue (57%)



- Red (93%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (57%)
- Yellow (39%)
- Black (7%)





- Cyan (7%)
- Magenta (60%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9220, 0.4294, 0.2841 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 29.9220, 0.4294, 0.2841 by changing the saturation by 10% instead.


 29.9220, 0.4294,
0.2841


 29.9220, 0.4294,
0.2841


301.5407, 0.3669,
0.3087


 19.7794, 0.4463,
0.2773


 59.5388, 0.4057,
0.2935


 12.2348, 0.4688,
0.2681


 79.7818, 0.3971,
0.2969

 6.9038, 0.4999,
0.2552


 104.1604, 0.3900,
0.2997

 3.4020, 0.5455,
0.2358

 133.0589, 0.3839,
0.3021

 1.3450, 0.6173,
0.2043

166.8618, 0.3787,
0.3041

 0.1757, 0.9082,
0.0918

205.9535, 0.3743,


 0.0000, 1.0000,


0.3058


0.0000


250.7183, 0.3704,
0.3073


 0.0000, 0.0000,
0.0000


 29.9220, 0.4294,
0.2841


 29.9220, 0.4294,
0.2841


 25.3742, 0.4632,
0.2798


 35.8932, 0.3994,
0.2908


 22.1241, 0.4993,
0.2791


 43.3899, 0.3739,
0.2988


 20.0322, 0.5350,
0.2830

 52.5103, 0.3526,
0.3073

 18.9199, 0.5668,
0.2916

 63.3428, 0.3351,
0.3158

 18.6755, 0.5763,
0.2948

 75.9696, 0.3208,
0.3239

■ 90.4675, 0.3092,
0.3314

■ 96.9207, 0.3023,
0.3290

Harmonies

Analogous

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



29.9220, 0.3387, 0.2344



29.9220, 0.4294, 0.2841



29.9220, 0.4848, 0.3445

Triad

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



29.9220, 0.4294, 0.2841



29.9220, 0.3535, 0.4974



29.9220, 0.1643, 0.2183

Complementary

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



29.9220, 0.4294, 0.2841



68.0307, 0.2605, 0.3841

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.



29.9220, 0.1664, 0.2751



29.9220, 0.4294, 0.2841



29.9220, 0.2693, 0.4611

Square

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



29.9220, 0.4294, 0.2841



29.9220, 0.4315, 0.4680



29.9220, 0.2016, 0.3673



29.9220, 0.1927, 0.1967

Rectangle

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



29.9220, 0.4294, 0.2841



29.9220, 0.4896, 0.3872



29.9220, 0.2016, 0.3673



29.9220, 0.1616, 0.2330

Sweetspot

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



29.9236, 0.4294, 0.2841



73.6156, 0.3356, 0.3155



27.5101, 0.2777, 0.1783



15.1775, 0.3389, 0.3138



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.



29.9236, 0.4294, 0.2841



28.9987, 0.4686, 0.2794



34.5323, 0.4679, 0.3559



15.8398, 0.3244, 0.3217



10.4374, 0.5722, 0.2926



0.8855, 0.5350, 0.2721

Inverse Universe

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



29.9236, 0.4294, 0.2841



28.9987, 0.4686, 0.2794



56.7794, 0.2348, 0.2970



15.8398, 0.3244, 0.3217



10.4374, 0.5722, 0.2926



0.8855, 0.5350, 0.2721

Previews

White Background



This preview shows how the Yxy color 29.9220, 0.4294, 0.2841 looks on a white background.

Color Contrast Check

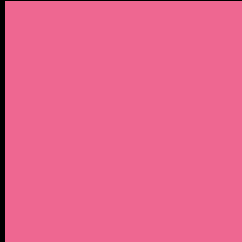
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9220, 0.4294, 0.2841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

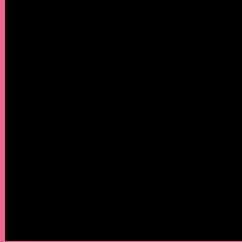
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9220, 0.4294, 0.2841

Background



This preview shows how black text looks on a background with the Yxy color 29.9220, 0.4294, 0.2841.



This preview shows how white text looks on a background with the Yxy color 29.9220, 0.4294, 0.2841.

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

29.9220, 0.4294, 0.2841

Protanopia

30.1781, 0.2880, 0.2925

Deuteranopia

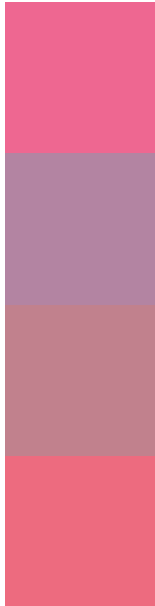
30.0261, 0.3427, 0.3366



Tritanopia

30.0311, 0.4632, 0.3219

Trichromacy



Original Color

29.9220, 0.4294, 0.2841

Protanomaly

28.6949, 0.3336, 0.2869

Deuteranomaly

28.9611, 0.3743, 0.3128

Tritanomaly

30.0522, 0.4508, 0.3078

Monochromacy



Original Color

29.9220, 0.4294, 0.2841

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4329, 0.3526, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9220, 0.4294, 0.2841 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(238, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(238, 103, 145)  
}
```

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(238, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 103, 145) }
```

Border

The CSS property to change the border of an element to Yxy 29.9220, 0.4294, 0.2841 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(238, 103, 145) }
```

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

```
.border{ border-color:rgb(238, 103, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 103, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 103, 145);  
box-shadow:4px 4px 4px 4px rgb(238, 103,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9220, 0.4294, 0.2841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 103, 145) }
```

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

```
.background{ background-color: rgb(238,  
103, 145) }
```

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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