

Converting Colors

$Y_{xy}(29.9139, 0.3681, 0.2305)$

Have a look what the booklet for
Yxy(29.9139, 0.3681, 0.2305)
contains.

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Color

Yxy(29.9293, 0.3687, 0.2307)

Conversions

Conversions Part 1

Format	Color
Hex	EB61BE
RGB	235, 97, 190
RGB Percent	92%, 38%, 75%
CMY	0.0784, 0.6196, 0.2549
CMYK	0.00, 0.59, 0.19, 0.08
HSL	320°, 78%, 65%
HSV	320°, 59%, 92%
XYZ	47.8324, 29.9293, 51.9709
YIQ	148.8640, 52.3950, 58.1790

Conversions

Conversions Part 2

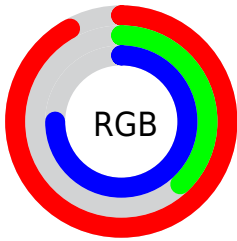
Format	Color
R _Y B	235, 97, 190
Decimal	15425982
CIE Lab	61.59, 63.25, -22.52
CIE LCh	62, 67.144, 340.403
Yxy	29.9293, 0.3687, 0.2307
Android (android.graphics.Color)	4293616062 (0xFFEB61BE)
YUV	148.8640, 20.2800, 75.5413
Hunter-Lab	54.7077, 60.3289, -18.0286

Details

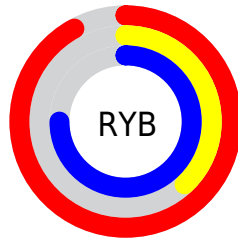
The Yxy color **29.9293, 0.3687, 0.2307** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **63.9174, 0.2838, 0.4589**, and the grayscale version is **29.8919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.0250, 0.3247, 0.2386**, and **12.2097, 0.3851, 0.2049** is the 20% darker color. If you saturate the color by 10%, you get **25.8860, 0.3824, 0.2192**, and if you desaturate by 10%, it is **35.2791, 0.3560, 0.2453**.

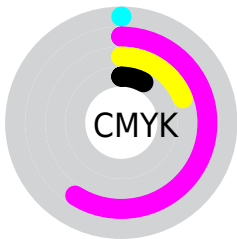
Distribution



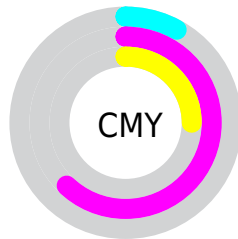
- Red (92%)
- Green (38%)
- Blue (75%)



- Red (92%)
- Yellow (38%)
- Blue (75%)



- Cyan (0%)
- Magenta (59%)
- Yellow (19%)
- Black (8%)





- Cyan (8%)
- Magenta (62%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9293, 0.3687, 0.2307 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 29.9293, 0.3687, 0.2307 by changing the saturation by 10% instead.


 29.9293, 0.3687,
0.2307


 29.9293, 0.3687,
0.2307


301.5748, 0.3409,
0.2788


 19.7849, 0.3755,
0.2191


 59.5504, 0.3587,
0.2479

 12.2388, 0.3842,
0.2046


 79.7958, 0.3549,
0.2544

 6.9065, 0.3955,
0.1858


 104.1771, 0.3517,
0.2600

 3.4037, 0.4108,
0.1608

 133.0786, 0.3489,
0.2648

 1.3460, 0.4325,
0.1266

166.8848, 0.3465,
0.2690

 0.1764, 0.4835,
0.0417

205.9799, 0.3444,

 0.0000, 0.5403,

0.2727

0.0000

250.7484, 0.3426,
0.2759

■ 0.0000, 0.0000,
0.0000

■ 29.9293, 0.3687,
0.2307

■ 29.9293, 0.3687,
0.2307

■ 25.8860, 0.3824,
0.2192

■ 35.2791, 0.3560,
0.2453

■ 23.0271, 0.3966,
0.2118

■ 42.0343, 0.3445,
0.2619

■ 21.2152, 0.4109,
0.2094

■ 50.2893, 0.3344,
0.2795

■ 20.2441, 0.4247,
0.2119


■ 60.1290, 0.3257,
0.2972


■ 20.1453, 0.4265,
0.2123

■ 71.6318, 0.3183,
0.3145

 84.8712, 0.3120,
0.3311

 95.6945, 0.3069,
0.3403

 96.1690, 0.3026,
0.3326

 96.4040, 0.3005,
0.3290

Harmonies

Analogous

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



29.9293, 0.2615, 0.1906



29.9293, 0.3687, 0.2307



29.9293, 0.4729, 0.2898

Triad

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



29.9293, 0.3687, 0.2307



29.9293, 0.4271, 0.5020



29.9293, 0.1405, 0.2432

Complementary

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



29.9293, 0.3687, 0.2307



63.9174, 0.2838, 0.4589

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.



29.9293, 0.1692, 0.3444



29.9293, 0.3687, 0.2307



29.9293, 0.3324, 0.5312

Square

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



29.9293, 0.3687, 0.2307



29.9293, 0.4992, 0.4319



29.9293, 0.2376, 0.4688



29.9293, 0.1469, 0.1905

Rectangle

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



29.9293, 0.3687, 0.2307



29.9293, 0.5138, 0.3348



29.9293, 0.2376, 0.4688



29.9293, 0.1458, 0.2714

Sweetspot

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



29.9308, 0.3687, 0.2307



73.2031, 0.3252, 0.2983



20.1845, 0.2300, 0.1537



14.8761, 0.3276, 0.2932



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.



29.9308, 0.3687, 0.2307



30.5194, 0.3846, 0.2177



27.6257, 0.4607, 0.3025



15.2254, 0.3188, 0.3133



11.2350, 0.4244, 0.2112



0.8998, 0.4064, 0.2013

Inverse Universe

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



29.9308, 0.3687, 0.2307



30.5194, 0.3846, 0.2177



66.6028, 0.2512, 0.3619



15.2254, 0.3188, 0.3133



11.2350, 0.4244, 0.2112



0.8998, 0.4064, 0.2013

Previews

White Background



This preview shows how the Yxy color 29.9293, 0.3687, 0.2307 looks on a white background.

Color Contrast Check

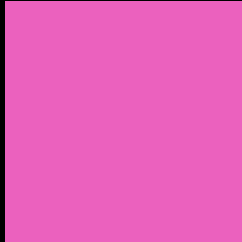
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9293, 0.3687, 0.2307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

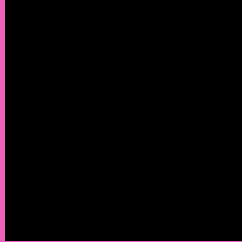
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9293, 0.3687, 0.2307

Background



This preview shows how black text looks on a background with the Yxy color 29.9293, 0.3687, 0.2307.



This preview shows how white text looks on a background with the Yxy color 29.9293, 0.3687, 0.2307.

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

29.9293, 0.3687, 0.2307

Protanopia

30.4619, 0.2295, 0.2172

Deuteranopia

30.1382, 0.2813, 0.2756



Tritanopia

29.6847, 0.4462, 0.3203

Trichromacy



Original Color

29.9293, 0.3687, 0.2307



Protanomaly

28.2369, 0.2676, 0.2166



Deuteranomaly

28.5248, 0.3099, 0.2521



Tritanomaly

29.5796, 0.4189, 0.2855

Monochromacy



Original Color

29.9293, 0.3687, 0.2307



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.3489, 0.3328, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9293, 0.3687, 0.2307 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(235, 97, 190)` looks like.

```
.text, #text, p{  
    color:rgb(235, 97, 190)  
}
```

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(235, 97, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 97, 190) }
```

Border

The CSS property to change the border of an element to Yxy 29.9293, 0.3687, 0.2307 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(235, 97, 190) }
```

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

```
.border{ border-color:rgb(235, 97, 190) }
```

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

Here you see how a box with a 4 pixel rgb(235, 97, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 97, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 97, 190);  
box-shadow:4px 4px 4px 4px rgb(235, 97,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9293, 0.3687, 0.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 97, 190) }
```

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

```
.background{ background-color: rgb(235, 97,  
190) }
```

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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