

Converting Colors

$Y_{xy}(29.3609, 0.3668, 0.2333)$

Have a look what the booklet for
Yxy(29.3609, 0.3668, 0.2333)
contains.

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Color

Yxy(29.3345, 0.3666, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	E663BB
RGB	230, 99, 187
RGB Percent	90%, 39%, 73%
CMY	0.0982, 0.6116, 0.2667
CMYK	0.00, 0.57, 0.19, 0.10
HSL	320°, 72%, 65%
HSV	320°, 57%, 90%
XYZ	46.0558, 29.3345, 50.2393
YIQ	148.2010, 49.8280, 55.1400

Conversions

Conversions Part 2

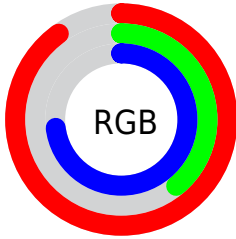
Format	Color
R _Y B	230, 99, 187
Decimal	15098811
CIE Lab	61.08, 60.50, -21.66
CIE LCh	61, 64.259, 340.304
Yxy	29.3345, 0.3666, 0.2335
Android (android.graphics.Color)	4293288891 (0xFFE663BB)
YUV	148.2010, 19.1279, 71.7377
Hunter-Lab	54.1613, 57.0042, -17.0836

Details

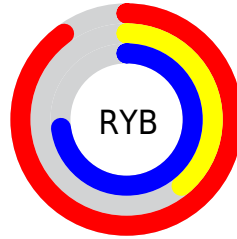
The Yxy color **29.3345, 0.3666, 0.2335** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **61.1851, 0.2841, 0.4536**, and the grayscale version is **29.6100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1738, 0.3271, 0.2421**, and **11.8967, 0.3804, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **25.2647, 0.3802, 0.2214**, and if you desaturate by 10%, it is **34.6646, 0.3540, 0.2485**.

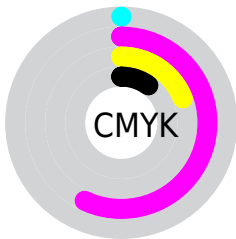
Distribution



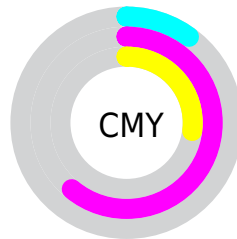
- Red (90%)
- Green (39%)
- Blue (73%)



- Red (90%)
- Yellow (39%)
- Blue (73%)



- Cyan (0%)
- Magenta (57%)
- Yellow (19%)
- Black (10%)



- Cyan (10%)
- Magenta (61%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.3345, 0.3666, 0.2335 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 29.3345, 0.3666, 0.2335 by changing the saturation by 10% instead.


 29.3345, 0.3666,
0.2335


 29.3345, 0.3666,
0.2335


298.7900, 0.3397,
0.2806

 19.3340, 0.3732,
0.2221


 58.6081, 0.3569,
0.2504

 11.9119, 0.3817,
0.2077


 78.6500, 0.3532,
0.2568

 6.6837, 0.3928,
0.1889


 102.8079, 0.3501,
0.2622

 3.2651, 0.4080,
0.1639

 131.4661, 0.3474,
0.2669

 1.2716, 0.4297,
0.1291

165.0090, 0.3451,
0.2710

 0.1191, 0.4866,
0.0316

203.8210, 0.3431,

 0.0000, 0.5510,

0.2746

0.0000

248.2865, 0.3413,
0.2778

0.0000, 0.0000,
0.0000

29.3345, 0.3666,
0.2335

29.3345, 0.3666,
0.2335

25.2647, 0.3802,
0.2214

34.6646, 0.3540,
0.2485

22.3423, 0.3945,
0.2132

41.3466, 0.3428,
0.2653

20.4413, 0.4089,
0.2099


49.4686, 0.3329,
0.2828


19.3980, 0.4229,
0.2116


59.1100, 0.3243,
0.3005


19.1667, 0.4272,
0.2127

70.3441, 0.3171,
0.3176

 83.2398, 0.3110,
0.3339

 94.6194, 0.3059,
0.3443

 95.0771, 0.3017,
0.3366

 95.5537, 0.2976,
0.3290

Harmonies

Analogous

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



29.3345, 0.2631, 0.1943



29.3345, 0.3666, 0.2335



29.3345, 0.4669, 0.2913

Triad

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



29.3345, 0.3666, 0.2335



29.3345, 0.4250, 0.4970



29.3345, 0.1453, 0.2468

Complementary

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



29.3345, 0.3666, 0.2335



61.1851, 0.2841, 0.4536

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.



29.3345, 0.1739, 0.3447



29.3345, 0.3666, 0.2335



29.3345, 0.3332, 0.5235

Square

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



29.3345, 0.3666, 0.2335



29.3345, 0.4941, 0.4302



29.3345, 0.2409, 0.4633



29.3345, 0.1513, 0.1949

Rectangle

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



29.3345, 0.3666, 0.2335



29.3345, 0.5067, 0.3355



29.3345, 0.2409, 0.4633



29.3345, 0.1507, 0.2743

Sweetspot

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



29.3359, 0.3666, 0.2335



74.5092, 0.3245, 0.3002



20.2612, 0.2332, 0.1594



15.3883, 0.3261, 0.2966



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.



29.3359, 0.3666, 0.2335



31.3150, 0.3823, 0.2199



27.1799, 0.4534, 0.3030



14.5305, 0.3188, 0.3133



10.8778, 0.4251, 0.2115



0.8208, 0.4061, 0.2011

Inverse Universe

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



29.3359, 0.3666, 0.2335



31.3150, 0.3823, 0.2199



63.6860, 0.2524, 0.3607



14.5305, 0.3188, 0.3133



10.8778, 0.4251, 0.2115



0.8208, 0.4061, 0.2011

Previews

White Background



This preview shows how the Yxy color 29.3345, 0.3666, 0.2335 looks on a white background.

Color Contrast Check

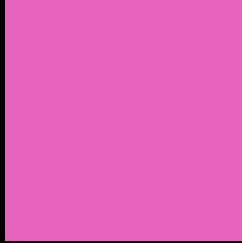
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3345, 0.3666, 0.2335 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 29.3345, 0.3666, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 29.3345, 0.3666, 0.2335.



This preview shows how white text looks on a background with the Yxy color 29.3345, 0.3666, 0.2335.

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

29.3345, 0.3666, 0.2335

Protanopia

29.5897, 0.2329, 0.2209

Deuteranopia

29.6571, 0.2819, 0.2767



Tritanopia

29.2871, 0.4401, 0.3201

Trichromacy



Original Color

29.3345, 0.3666, 0.2335



Protanomaly

27.6189, 0.2705, 0.2202



Deuteranomaly

28.2044, 0.3098, 0.2540



Tritanomaly

29.1814, 0.4127, 0.2866

Monochromacy



Original Color

29.3345, 0.3666, 0.2335



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.0389, 0.3328, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3345, 0.3666, 0.2335 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(230, 99, 187)` looks like.

```
.text, #text, p{  
  color:rgb(230, 99, 187)  
}
```

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(230, 99, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 99, 187) }
```

Border

The CSS property to change the border of an element to Yxy 29.3345, 0.3666, 0.2335 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(230, 99, 187) }
```

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

```
.border{ border-color:rgb(230, 99, 187) }
```

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

Here you see how a box with a 4 pixel rgb(230, 99, 187) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 99, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 99, 187);  
box-shadow:4px 4px 4px 4px rgb(230, 99,  
187) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.3345, 0.3666, 0.2335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 99, 187) }
```

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

```
.background{ background-color: rgb(230, 99,  
187) }
```

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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