

Converting Colors

$Y_{xy}(29.2481, 0.3739, 0.2376)$

Have a look what the booklet for
Yxy(29.2481, 0.3739, 0.2376)
contains.

Yxy(29.3101, 0.3740, 0.2373)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.3101, 0.3740, 0.2373)

Conversions

Conversions Part 1

Format	Color
Hex	E862B7
RGB	232, 98, 183
RGB Percent	91%, 38%, 72%
CMY	0.0901, 0.6157, 0.2824
CMYK	0.00, 0.58, 0.21, 0.09
HSL	322°, 74%, 65%
HSV	322°, 58%, 91%
XYZ	46.1946, 29.3101, 48.0103
YIQ	147.7560, 52.5790, 54.8430

Conversions

Conversions Part 2

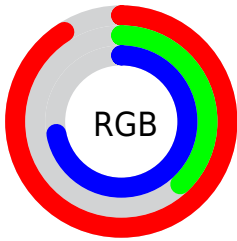
Format	Color
R _Y B	232, 98, 183
Decimal	15229623
CIE Lab	61.05, 60.99, -19.37
CIE LCh	61, 63.989, 342.376
Yxy	29.3101, 0.3740, 0.2373
Android (android.graphics.Color)	4293419703 (0xFFE862B7)
YUV	147.7560, 17.3753, 73.8820
Hunter-Lab	54.1388, 57.5644, -14.6812

Details

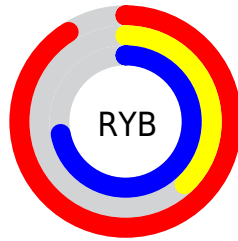
The Yxy color **29.3101, 0.3740, 0.2373** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **62.4246, 0.2814, 0.4485**, and the grayscale version is **29.4179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6032, 0.3306, 0.2447**, and **11.8822, 0.3914, 0.2118** is the 20% darker color. If you saturate the color by 10%, you get **25.2381, 0.3896, 0.2262**, and if you desaturate by 10%, it is **34.6642, 0.3597, 0.2514**.

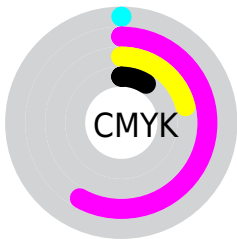
Distribution



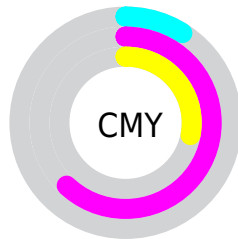
- Red (91%)
- Green (38%)
- Blue (72%)



- Red (91%)
- Yellow (38%)
- Blue (72%)



- Cyan (0%)
- Magenta (58%)
- Yellow (21%)
- Black (9%)





- Cyan (9%)
- Magenta (62%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3101, 0.3740, 0.2373 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 29.3101, 0.3740, 0.2373 by changing the saturation by 10% instead.

 29.3101, 0.3740,
0.2373


 29.3101, 0.3740,
0.2373


298.6753, 0.3430,
0.2828


 19.3155, 0.3818,
0.2262


 58.5694, 0.3627,
0.2537


 11.8985, 0.3919,
0.2121


 78.6029, 0.3584,
0.2599

 6.6746, 0.4052,
0.1937


 102.7516, 0.3548,
0.2651

 3.2594, 0.4238,
0.1690

 131.3997, 0.3518,
0.2696

 1.2686, 0.4510,
0.1343

164.9318, 0.3491,
0.2736

 0.1167, 0.5217,
0.0329

203.7321, 0.3468,


 0.0000, 0.6647,


0.2770


0.0000


248.1852, 0.3448,
0.2800


 0.0000, 0.0000,
0.0000


 29.3101, 0.3740,
0.2373


 29.3101, 0.3740,
0.2373


 25.2381, 0.3896,
0.2262


 34.6642, 0.3597,
0.2514


 22.3314, 0.4060,
0.2191


 41.3952, 0.3469,
0.2672

 20.4592, 0.4226,
0.2170


 49.5937, 0.3358,
0.2839


 19.4413, 0.4387,
0.2200


 59.3416, 0.3262,
0.3006

 19.2682, 0.4424,
0.2211

 70.7144, 0.3181,
0.3169

 83.7830, 0.3113,
0.3324

 95.1129, 0.3057,
0.3416

 95.6361, 0.3010,
0.3330

 95.8978, 0.2988,
0.3290

Harmonies

Analogous

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



29.3101, 0.2696, 0.1967



29.3101, 0.3740, 0.2373



29.3101, 0.4718, 0.2959

Triad

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



29.3101, 0.3740, 0.2373



29.3101, 0.4189, 0.5002



29.3101, 0.1452, 0.2421

Complementary

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



29.3101, 0.3740, 0.2373



62.4246, 0.2814, 0.4485

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.



29.3101, 0.1712, 0.3366



29.3101, 0.3740, 0.2373



29.3101, 0.3266, 0.5216

Square

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



29.3101, 0.3740, 0.2373



29.3101, 0.4901, 0.4350



29.3101, 0.2355, 0.4554



29.3101, 0.1533, 0.1932

Rectangle

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



29.3101, 0.3740, 0.2373



29.3101, 0.5083, 0.3403



29.3101, 0.2355, 0.4554



29.3101, 0.1498, 0.2684

Sweetspot

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



29.3116, 0.3740, 0.2373



74.4123, 0.3256, 0.3017



20.5738, 0.2356, 0.1584



15.3653, 0.3274, 0.2984



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.



29.3116, 0.3740, 0.2373



30.6041, 0.3922, 0.2247



27.2040, 0.4630, 0.3078



14.5210, 0.3194, 0.3142



10.7207, 0.4399, 0.2197



0.8099, 0.4179, 0.2076

Inverse Universe

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



29.3116, 0.3740, 0.2373



30.6041, 0.3922, 0.2247



65.0658, 0.2498, 0.3551



14.5210, 0.3194, 0.3142



10.7207, 0.4399, 0.2197



0.8099, 0.4179, 0.2076

Previews

White Background



This preview shows how the Yxy color 29.3101, 0.3740, 0.2373 looks on a white background.

Color Contrast Check

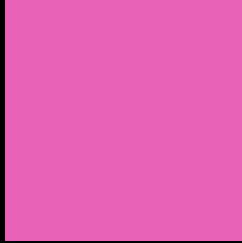
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3101, 0.3740, 0.2373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

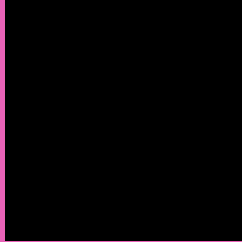
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3101, 0.3740, 0.2373

Background



This preview shows how black text looks on a background with the Yxy color 29.3101, 0.3740, 0.2373.



This preview shows how white text looks on a background with the Yxy color 29.3101, 0.3740, 0.2373.

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

29.3101, 0.3740, 0.2373

Protanopia

29.5237, 0.2365, 0.2256

Deuteranopia

29.3770, 0.2871, 0.2810



Tritanopia

29.3351, 0.4454, 0.3214

Trichromacy



Original Color

29.3101, 0.3740, 0.2373



Protanomaly

27.6327, 0.2756, 0.2251



Deuteranomaly

28.0171, 0.3160, 0.2580



Tritanomaly

29.2023, 0.4193, 0.2894

Monochromacy



Original Color

29.3101, 0.3740, 0.2373



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

28.1222, 0.3350, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3101, 0.3740, 0.2373 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(232, 98, 183)` looks like.

```
.text, #text, p{  
  color:rgb(232, 98, 183)  
}
```

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(232, 98, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 98, 183) }
```

Border

The CSS property to change the border of an element to Yxy 29.3101, 0.3740, 0.2373 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(232, 98, 183) }
```

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

```
.border{ border-color:rgb(232, 98, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 98, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 98, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 98, 183);  
box-shadow:4px 4px 4px 4px rgb(232, 98,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3101, 0.3740, 0.2373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 98, 183) }
```

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

```
.background{ background-color: rgb(232, 98,  
183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor