

Converting Colors

$Y_{xy}(30.0284, 0.3710, 0.2335)$

Have a look what the booklet for
Yxy(30.0284, 0.3710, 0.2335)
contains.

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Color

Yxy(30.0284, 0.3710, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	EB62BC
RGB	235, 98, 188
RGB Percent	92%, 38%, 74%
CMY	0.0784, 0.6157, 0.2627
CMYK	0.00, 0.58, 0.20, 0.08
HSL	321°, 77%, 65%
HSV	321°, 58%, 92%
XYZ	47.7111, 30.0284, 50.8618
YIQ	149.2230, 52.7620, 57.0340

Conversions

Conversions Part 2

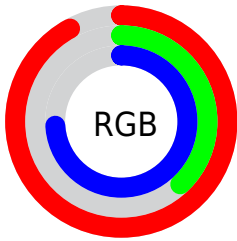
Format	Color
R _{YB}	235, 98, 188
Decimal	15426236
CIE Lab	61.68, 62.55, -21.25
CIE LCh	62, 66.062, 341.233
Yxy	30.0284, 0.3710, 0.2335
Android (android.graphics.Color)	4293616316 (0xFFEB62BC)
YUV	149.2230, 19.1171, 75.2264
Hunter-Lab	54.7982, 59.5176, -16.6722

Details

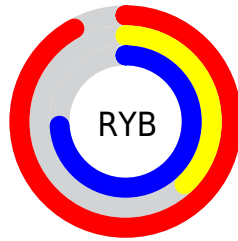
The Yxy color **30.0284, 0.3710, 0.2335** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **64.0686, 0.2827, 0.4544**, and the grayscale version is **30.0543, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.2343, 0.3263, 0.2413**, and **12.3025, 0.3866, 0.2074** is the 20% darker color. If you saturate the color by 10%, you get **25.9213, 0.3855, 0.2221**, and if you desaturate by 10%, it is **35.4485, 0.3576, 0.2479**.

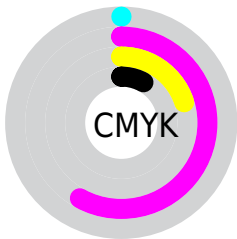
Distribution



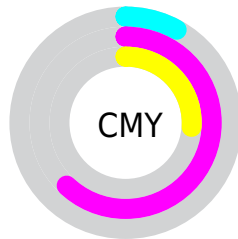
- Red (92%)
- Green (38%)
- Blue (74%)



- Red (92%)
- Yellow (38%)
- Blue (74%)



- Cyan (0%)
- Magenta (58%)
- Yellow (20%)
- Black (8%)




- Cyan (8%)
- Magenta (62%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0284, 0.3710, 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 30.0284, 0.3710, 0.2335 by changing the saturation by 10% instead.


 30.0284, 0.3710,
0.2335


 30.0284, 0.3710,
0.2335


302.0368, 0.3419,
0.2804


 19.8601, 0.3782,
0.2222


 59.7071, 0.3604,
0.2503

 12.2934, 0.3874,
0.2079


 79.9863, 0.3565,
0.2567

 6.9438, 0.3995,
0.1894


 104.4046, 0.3531,
0.2621

 3.4270, 0.4161,
0.1647

 133.3465, 0.3502,
0.2668

 1.3585, 0.4398,
0.1307

167.1962, 0.3477,
0.2709

 0.1858, 0.4952,
0.0453

206.3383, 0.3455,

 0.0000, 0.5743,

0.2744

0.0000

251.1570, 0.3436,
0.2776

■ 0.0000, 0.0000,
0.0000

■ 30.0284, 0.3710,
0.2335

■ 30.0284, 0.3710,
0.2335

■ 25.9213, 0.3855,
0.2221

■ 35.4485, 0.3576,
0.2479

■ 23.0058, 0.4006,
0.2149

■ 42.2800, 0.3456,
0.2642

■ 21.1455, 0.4159,
0.2127

■ 50.6171, 0.3350,
0.2814

■ 20.1440, 0.4307,
0.2153

■ 60.5443, 0.3259,
0.2987


■ 20.0117, 0.4332,
0.2160

■ 72.1400, 0.3182,
0.3156

 85.4773, 0.3117,
0.3317

 95.7446, 0.3064,
0.3395

 96.2464, 0.3019,
0.3314

 96.4056, 0.3005,
0.3290

Harmonies

Analogous

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



30.0284, 0.2649, 0.1932



30.0284, 0.3710, 0.2335



30.0284, 0.4725, 0.2924

Triad

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



30.0284, 0.3710, 0.2335



30.0284, 0.4236, 0.5013



30.0284, 0.1425, 0.2427

Complementary

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



30.0284, 0.3710, 0.2335



64.0686, 0.2827, 0.4544

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.



30.0284, 0.1700, 0.3410



30.0284, 0.3710, 0.2335



30.0284, 0.3299, 0.5272

Square

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



30.0284, 0.3710, 0.2335



30.0284, 0.4953, 0.4333



30.0284, 0.2367, 0.4631



30.0284, 0.1496, 0.1916

Rectangle

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



30.0284, 0.3710, 0.2335



30.0284, 0.5115, 0.3371



30.0284, 0.2367, 0.4631



30.0284, 0.1475, 0.2701

Sweetspot

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



30.0299, 0.3710, 0.2335



74.4710, 0.3249, 0.3008



20.6317, 0.2327, 0.1558



15.3792, 0.3266, 0.2973



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.



30.0299, 0.3710, 0.2335



30.3823, 0.3885, 0.2203



27.7750, 0.4622, 0.3051



15.2209, 0.3190, 0.3136



11.1601, 0.4310, 0.2148



0.8943, 0.4118, 0.2042

Inverse Universe

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



30.0299, 0.3710, 0.2335



30.3823, 0.3885, 0.2203



66.7869, 0.2505, 0.3585



15.2209, 0.3190, 0.3136



11.1601, 0.4310, 0.2148



0.8943, 0.4118, 0.2042

Previews

White Background



This preview shows how the Yxy color 30.0284, 0.3710, 0.2335 looks on a white background.

Color Contrast Check

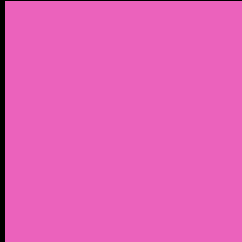
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0284, 0.3710, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

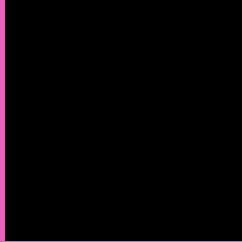
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0284, 0.3710, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 30.0284, 0.3710, 0.2335.



This preview shows how white text looks on a background with the Yxy color 30.0284, 0.3710, 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

30.0284, 0.3710, 0.2335

Protanopia

30.4413, 0.2324, 0.2207

Deuteranopia

30.1490, 0.2839, 0.2785



Tritanopia

30.0978, 0.4453, 0.3203

Trichromacy



Original Color

30.0284, 0.3710, 0.2335



Protanomaly

28.2405, 0.2701, 0.2190



Deuteranomaly

28.8227, 0.3129, 0.2561



Tritanomaly

29.7894, 0.4185, 0.2866

Monochromacy



Original Color

30.0284, 0.3710, 0.2335



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

28.3129, 0.3339, 0.2829

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0284, 0.3710, 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(235, 98, 188)` looks like.

```
.text, #text, p{  
    color:rgb(235, 98, 188)  
}
```

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, 98, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 98, 188) }
```

Border

The CSS property to change the border of an element to Yxy 30.0284, 0.3710, 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(235, 98, 188) }
```

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

```
.border{ border-color:rgb(235, 98, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 98, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(235, 98, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(235, 98, 188); box-shadow:4px 4px 4px 4px rgb(235, 98, 188) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 30.0284, 0.3710, 0.2335$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 98, 188) }
```

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

```
.background{ background-color: rgb(235, 98,  
188) }
```

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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