

Converting Colors

$Y_{xy}(32.2841, 0.3886, 0.2638)$

Have a look what the booklet for
Yxy(32.2841, 0.3886, 0.2638)
contains.

Yxy(32.2291, 0.3878, 0.2631)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.2291, 0.3878, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	EB70AC
RGB	235, 112, 172
RGB Percent	92%, 44%, 67%
CMY	0.0784, 0.5608, 0.3254
CMYK	0.00, 0.52, 0.27, 0.08
HSL	331°, 75%, 68%
HSV	331°, 52%, 92%
XYZ	47.5045, 32.2291, 42.7639
YIQ	155.6170, 54.0480, 44.7360

Conversions

Conversions Part 2

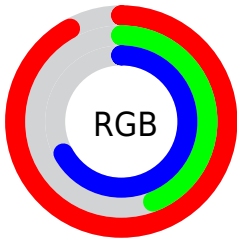
Format	Color
RYB	235, 112, 172
Decimal	15429804
CIELab	63.53, 53.99, -9.34
CIELCh	64, 54.790, 350.183
Yxy	32.2291, 0.3878, 0.2631
Android (android.graphics.Color)	4293619884 (0xFFEB70AC)
YUV	155.6170, 8.0768, 69.6189
Hunter-Lab	56.7707, 50.0165, -4.9222

Details

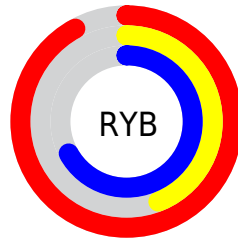
The Yxy color **32.2291, 0.3878, 0.2631** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **65.9564, 0.2740, 0.4096**, and the grayscale version is **33.0130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.4435, 0.3397, 0.2683**, and **13.5124, 0.4104, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **27.2625, 0.4102, 0.2534**, and if you desaturate by 10%, it is **38.5937, 0.3680, 0.2750**.

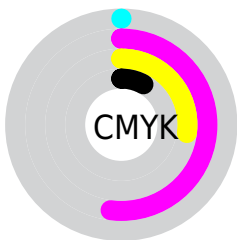
Distribution



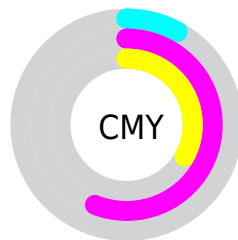
- Red (92%)
- Green (44%)
- Blue (67%)



- Red (92%)
- Yellow (44%)
- Blue (67%)



- Cyan (0%)
- Magenta (52%)
- Yellow (27%)
- Black (8%)





- Cyan (8%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2291, 0.3878, 0.2631 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 32.2291, 0.3878, 0.2631 by changing the saturation by 10% instead.


 32.2291, 0.3878,
0.2631


 32.2291, 0.3878,
0.2631


312.1616, 0.3489,
0.2964

 21.5365, 0.3979,
0.2547


 63.1701, 0.3734,
0.2753

 13.5168, 0.4111,
0.2439


 84.1873, 0.3680,
0.2798

 7.7853, 0.4291,
0.2296


 109.4148, 0.3636,
0.2837

 3.9579, 0.4549,
0.2096

139.2371, 0.3597,
0.2869

 1.6500, 0.4946,
0.1802

174.0386, 0.3565,
0.2898

 0.3910, 0.5764,
0.1123

214.2035, 0.3536,

 0.0000, 1.0000,

0.2923

0.0000

260.1164, 0.3511,
0.2945

0.0000, 0.0000,
0.0000

32.2291, 0.3878,
0.2631

32.2291, 0.3878,
0.2631

27.2625, 0.4102,
0.2534

38.5937, 0.3680,
0.2750

23.5803, 0.4347,
0.2471

46.4487, 0.3510,
0.2879

21.0591, 0.4604,
0.2454

55.8840, 0.3367,
0.3011


19.5481, 0.4857,
0.2491

66.9810, 0.3247,
0.3140

18.8934, 0.5043,
0.2552

79.8155, 0.3148,
0.3262

 94.4585, 0.3066,
0.3377

 96.4025, 0.3005,
0.3290

Harmonies

Analogous

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



32.2291, 0.2988, 0.2221



32.2291, 0.3878, 0.2631



32.2291, 0.4599, 0.3181

Triad

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



32.2291, 0.3878, 0.2631



32.2291, 0.3878, 0.4837



32.2291, 0.1669, 0.2428

Complementary

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



32.2291, 0.3878, 0.2631



65.9564, 0.2740, 0.4096

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.



32.2291, 0.1831, 0.3137



32.2291, 0.3878, 0.2631



32.2291, 0.3070, 0.4784

Square

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



32.2291, 0.3878, 0.2631



32.2291, 0.4533, 0.4400



32.2291, 0.2321, 0.4082



32.2291, 0.1814, 0.2074

Rectangle

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



32.2291, 0.3878, 0.2631



32.2291, 0.4817, 0.3587



32.2291, 0.2321, 0.4082



32.2291, 0.1688, 0.2625

Sweetspot

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



32.2307, 0.3878, 0.2631



75.4015, 0.3289, 0.3092



26.5280, 0.2605, 0.1812



15.5459, 0.3314, 0.3065



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.



32.2307, 0.3878, 0.2631



32.3356, 0.4124, 0.2526



30.4207, 0.4655, 0.3295



15.1766, 0.3216, 0.3176



10.5405, 0.5007, 0.2532



0.8471, 0.4691, 0.2358

Inverse Universe

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



32.2307, 0.3878, 0.2631



32.3356, 0.4124, 0.2526



68.8608, 0.2454, 0.3288



15.1766, 0.3216, 0.3176



10.5405, 0.5007, 0.2532



0.8471, 0.4691, 0.2358

Previews

White Background



This preview shows how the Yxy color 32.2291, 0.3878, 0.2631 looks on a white background.

Color Contrast Check

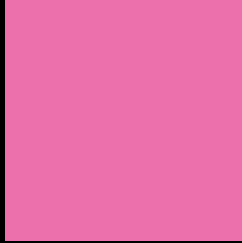
Large Text (above 18pt) WCAG AA × Fail

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 32.2291, 0.3878, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

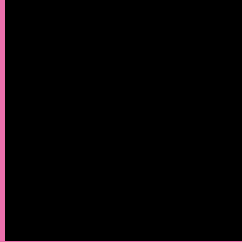
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2291, 0.3878, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 32.2291, 0.3878, 0.2631.



This preview shows how white text looks on a background with the Yxy color 32.2291, 0.3878, 0.2631.

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

32.2291, 0.3878, 0.2631

Protanopia

32.6568, 0.2647, 0.2631

Deuteranopia

32.4584, 0.3118, 0.3058



Tritanopia

32.2486, 0.4345, 0.3203

Trichromacy



Original Color

32.2291, 0.3878, 0.2631

Protanomaly

31.0812, 0.3028, 0.2601

Deuteranomaly

31.3826, 0.3385, 0.2862

Tritanomaly

32.1570, 0.4168, 0.2987

Monochromacy



Original Color

32.2291, 0.3878, 0.2631

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.6791, 0.3388, 0.2989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2291, 0.3878, 0.2631 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, 112, 172)` looks like.

```
.text, #text, p{  
    color:rgb(235, 112, 172)  
}
```

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, 112, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 112, 172) }
```

Border

The CSS property to change the border of an element to Yxy 32.2291, 0.3878, 0.2631 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, 112, 172) }
```

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

```
.border{ border-color:rgb(235, 112, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 112, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 112, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 112, 172);  
box-shadow:4px 4px 4px 4px rgb(235, 112,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2291, 0.3878, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 112, 172) }
```

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

```
.background{ background-color: rgb(235,  
112, 172) }
```

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