

Converting Colors

$Y_{xy}(32.8973, 0.3298, 0.2183)$

Have a look what the booklet for
Yxy(32.8973, 0.3298, 0.2183)
contains.

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Color

Yxy(33.0474, 0.3303, 0.2189)

Conversions

Conversions Part 1

Format	Color
Hex	E371D7
RGB	227, 113, 215
RGB Percent	89%, 44%, 84%
CMY	0.1096, 0.5570, 0.1568
CMYK	0.00, 0.50, 0.05, 0.11
HSL	306°, 67%, 67%
HSV	306°, 50%, 89%
XYZ	49.8655, 33.0474, 68.0574
YIQ	158.7140, 35.2020, 55.8900

Conversions

Conversions Part 2

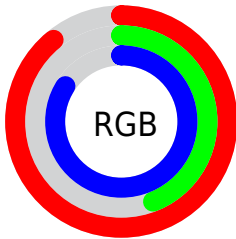
Format	Color
R _Y B	227, 113, 215
Decimal	14905815
CIE Lab	64.20, 57.58, -32.73
CIE LCh	64, 66.230, 330.386
Yxy	33.0474, 0.3303, 0.2189
Android (android.graphics.Color)	4293095895 (0xFFE371D7)
YUV	158.7140, 27.7490, 59.8868
Hunter-Lab	57.4869, 54.2332, -29.9513

Details

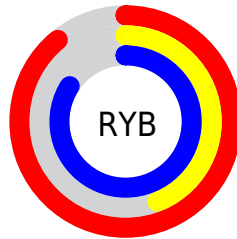
The Yxy color **33.0474, 0.3303, 0.2189** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.9588, 0.2993, 0.4724**, and the grayscale version is **34.3900, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.8559, 0.3167, 0.2450**, and **13.9992, 0.3322, 0.1920** is the 20% darker color. If you saturate the color by 10%, you get **28.4807, 0.3345, 0.2012**, and if you desaturate by 10%, it is **38.8858, 0.3262, 0.2392**.

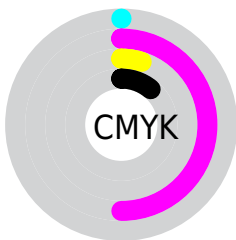
Distribution



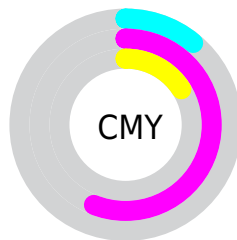
- Red (89%)
- Green (44%)
- Blue (84%)



- Red (89%)
- Yellow (44%)
- Blue (84%)



- Cyan (0%)
- Magenta (50%)
- Yellow (5%)
- Black (11%)





- Cyan (11%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0474, 0.3303, 0.2189 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 33.0474, 0.3303, 0.2189 by changing the saturation by 10% instead.


 33.0474, 0.3303,
0.2189

 33.0474, 0.3303,
0.2189


315.8633, 0.3233,
0.2712

 22.1628, 0.3315,
0.2068


 64.4495, 0.3282,
0.2372

 13.9765, 0.3327,
0.1919


 85.7358, 0.3273,
0.2443

 8.1044, 0.3338,
0.1730


 111.2581, 0.3264,
0.2504

 4.1618, 0.3344,
0.1488

141.4007, 0.3257,
0.2556

 1.7645, 0.3334,
0.1169

176.5482, 0.3250,
0.2602

 0.4649, 0.3305,
0.0668

217.0848, 0.3244,


 0.0000, 0.3145,

0.2643


0.0000

263.3951, 0.3238,
0.2679


 0.0000, 0.0000,
0.0000

 33.0474, 0.3303,
0.2189


 33.0474, 0.3303,
0.2189


 28.4807, 0.3345,
0.2012


 38.8858, 0.3262,
0.2392

 25.0849, 0.3386,
0.1871

 46.0779, 0.3224,
0.2612

 22.7514, 0.3427,
0.1772

 54.7041, 0.3188,
0.2838

 21.3489, 0.3464,
0.1718

 64.8370, 0.3156,
0.3065

 20.6577, 0.3498,
0.1701

 76.5445, 0.3128,
0.3285

■ 89.8904, 0.3103,
0.3494

■ 93.6746, 0.3087,
0.3527

■ 93.8115, 0.3073,
0.3502

■ 93.9502, 0.3060,
0.3477

Harmonies

Analogous

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



33.0474, 0.2355, 0.1877



33.0474, 0.3303, 0.2189



33.0474, 0.4362, 0.2713

Triad

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



33.0474, 0.3303, 0.2189



33.0474, 0.4507, 0.4760



33.0474, 0.1519, 0.2747

Complementary

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



33.0474, 0.3303, 0.2189



59.9588, 0.2993, 0.4724

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.



33.0474, 0.1930, 0.3844



33.0474, 0.3303, 0.2189



33.0474, 0.3646, 0.5208

Square

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



33.0474, 0.3303, 0.2189



33.0474, 0.5062, 0.4060



33.0474, 0.2705, 0.4915



33.0474, 0.1470, 0.2084

Rectangle

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



33.0474, 0.3303, 0.2189



33.0474, 0.4891, 0.3135



33.0474, 0.2705, 0.4915



33.0474, 0.1613, 0.3073

Sweetspot

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



33.0489, 0.3303, 0.2189



77.7198, 0.3171, 0.2956



21.6627, 0.2247, 0.1730



16.0449, 0.3178, 0.2907



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.



33.0489, 0.3303, 0.2189



36.9867, 0.3345, 0.2010



30.6306, 0.3960, 0.2768



14.5877, 0.3154, 0.3082



12.0509, 0.3493, 0.1698



0.8981, 0.3446, 0.1672

Inverse Universe

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



33.0489, 0.3303, 0.2189



36.9867, 0.3345, 0.2010



61.8317, 0.2699, 0.3910



14.5877, 0.3154, 0.3082



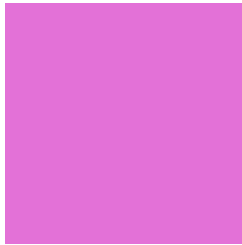
12.0509, 0.3493, 0.1698



0.8981, 0.3446, 0.1672

Previews

White Background



This preview shows how the Yxy color 33.0474, 0.3303, 0.2189 looks on a white background.

Color Contrast Check

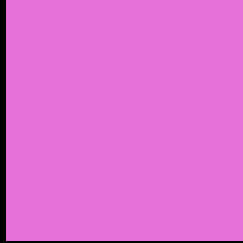
Large Text (above 18pt) WCAG AA × Fail

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 33.0474, 0.3303, 0.2189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

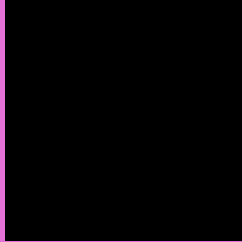
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0474, 0.3303, 0.2189

Background



This preview shows how black text looks on a background with the Yxy color 33.0474, 0.3303, 0.2189.



This preview shows how white text looks on a background with the Yxy color 33.0474, 0.3303, 0.2189.

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

33.0474, 0.3303, 0.2189

Protanopia

33.5528, 0.2213, 0.2058

Deuteranopia

33.4161, 0.2586, 0.2535



Tritanopia

33.0315, 0.4024, 0.3183

Trichromacy



Original Color

33.0474, 0.3303, 0.2189



Protanomaly

31.6040, 0.2509, 0.2058



Deuteranomaly

32.0526, 0.2809, 0.2355



Tritanomaly

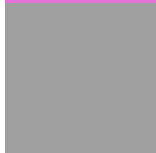
32.5775, 0.3757, 0.2782

Monochromacy



Original Color

33.0474, 0.3303, 0.2189



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

32.7910, 0.3202, 0.2794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0474, 0.3303, 0.2189 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(227, 113, 215)` looks like.

```
.text, #text, p{  
    color:rgb(227, 113, 215)  
}
```

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(227, 113, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 113, 215) }
```

Border

The CSS property to change the border of an element to Yxy 33.0474, 0.3303, 0.2189 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(227, 113, 215) }
```

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

```
.border{ border-color:rgb(227, 113, 215) }
```

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

Here you see how a box with a 4 pixel rgb(227, 113, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 113, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 113, 215);  
box-shadow:4px 4px 4px 4px rgb(227, 113,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0474, 0.3303, 0.2189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 113, 215) }
```

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

```
.background{ background-color: rgb(227,  
113, 215) }
```

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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