

Converting Colors

$Y_{xy}(33.7451, 0.3689, 0.2657)$

Have a look what the booklet for
Yxy(33.7451, 0.3689, 0.2657)
contains.

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Color

Yxy(33.7112, 0.3694, 0.2661)

Conversions

Conversions Part 1

Format	Color
Hex	E37BB2
RGB	227, 123, 178
RGB Percent	89%, 48%, 70%
CMY	0.1098, 0.5176, 0.3018
CMYK	0.00, 0.46, 0.22, 0.11
HSL	328°, 65%, 69%
HSV	328°, 46%, 89%
XYZ	46.7979, 33.7112, 46.1771
YIQ	160.3660, 44.3290, 39.1530

Conversions

Conversions Part 2

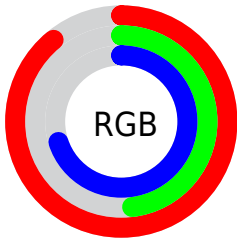
Format	Color
R _Y B	227, 123, 178
Decimal	14908338
CIE Lab	64.73, 46.83, -11.07
CIE LCh	65, 48.125, 346.703
Yxy	33.7112, 0.3694, 0.2661
Android (android.graphics.Color)	4293098418 (0xFFE37BB2)
YUV	160.3660, 8.6936, 58.4380
Hunter-Lab	58.0613, 42.2650, -6.5113

Details

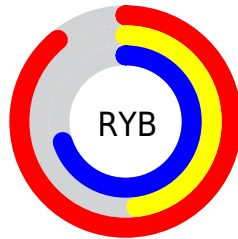
The Yxy color **33.7112, 0.3694, 0.2661** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **62.1221, 0.2799, 0.4036**, and the grayscale version is **35.2771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.0413, 0.3326, 0.2727**, and **14.2960, 0.3868, 0.2485** is the 20% darker color. If you saturate the color by 10%, you get **28.3058, 0.3881, 0.2539**, and if you desaturate by 10%, it is **40.4588, 0.3531, 0.2797**.

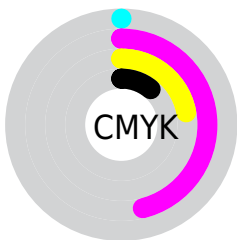
Distribution



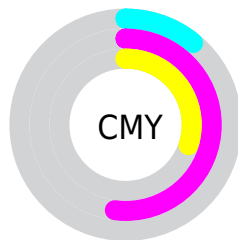
- Red (89%)
- Green (48%)
- Blue (70%)



- Red (89%)
- Yellow (48%)
- Blue (70%)



- Cyan (0%)
- Magenta (46%)
- Yellow (22%)
- Black (11%)





- Cyan (11%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7112, 0.3694, 0.2661 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 33.7112, 0.3694, 0.2661 by changing the saturation by 10% instead.


 33.7112, 0.3694,
0.2661


 33.7112, 0.3694,
0.2661


318.8424, 0.3404,
0.2976


 22.6718, 0.3768,
0.2582


 65.4843, 0.3587,
0.2775

 14.3514, 0.3865,
0.2482


 86.9868, 0.3547,
0.2818

 8.3655, 0.3996,
0.2349


 112.7459, 0.3514,
0.2855

 4.3297, 0.4181,
0.2164

143.1458, 0.3485,
0.2886

 1.8596, 0.4463,
0.1894

178.5710, 0.3461,
0.2913

 0.5239, 0.5001,
0.1364

219.4059, 0.3439,

 0.0000, 0.8092,

0.2937

0.0000

266.0349, 0.3421,
0.2958

0.0000, 0.0000,
0.0000

33.7112, 0.3694,
0.2661

33.7112, 0.3694,
0.2661

28.3058, 0.3881,
0.2539

40.4588, 0.3531,
0.2797

24.1455, 0.4090,
0.2443

48.6271, 0.3391,
0.2939

21.1277, 0.4314,
0.2385


58.2945, 0.3274,
0.3080

19.1312, 0.4545,
0.2376

69.5321, 0.3176,
0.3215

18.0064, 0.4770,
0.2422

82.4063, 0.3095,
0.3342

 17.6884, 0.4862,
0.2452

 94.2697, 0.3028,
0.3420

 94.9314, 0.2970,
0.3311

 95.0695, 0.2958,
0.3290

Harmonies

Analogous

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



33.7112, 0.2928, 0.2310



33.7112, 0.3694, 0.2661



33.7112, 0.4347, 0.3149

Triad

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



33.7112, 0.3694, 0.2661



33.7112, 0.3883, 0.4614



33.7112, 0.1836, 0.2604

Complementary

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



33.7112, 0.3694, 0.2661



62.1221, 0.2799, 0.4036

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.



33.7112, 0.2023, 0.3260



33.7112, 0.3694, 0.2661



33.7112, 0.3179, 0.4598

Square

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



33.7112, 0.3694, 0.2661



33.7112, 0.4420, 0.4233



33.7112, 0.2499, 0.4056



33.7112, 0.1933, 0.2241

Rectangle

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



33.7112, 0.3694, 0.2661



33.7112, 0.4577, 0.3513



33.7112, 0.2499, 0.4056



33.7112, 0.1866, 0.2793

Sweetspot

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



33.7128, 0.3694, 0.2661



78.2640, 0.3256, 0.3103



28.4311, 0.2658, 0.1996



16.1139, 0.3279, 0.3073



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.



33.7128, 0.3694, 0.2661



37.1372, 0.3872, 0.2544



32.0157, 0.4324, 0.3253



14.4948, 0.3210, 0.3166



10.3406, 0.4831, 0.2435



0.7829, 0.4529, 0.2269

Inverse Universe

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



33.7128, 0.3694, 0.2661



37.1372, 0.3872, 0.2544



64.5010, 0.2533, 0.3332



14.4948, 0.3210, 0.3166



10.3406, 0.4831, 0.2435



0.7829, 0.4529, 0.2269

Previews

White Background



This preview shows how the Yxy color 33.7112, 0.3694, 0.2661 looks on a white background.

Color Contrast Check

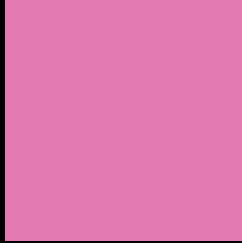
Large Text (above 18pt) WCAG AA × Fail

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 33.7112, 0.3694, 0.2661 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

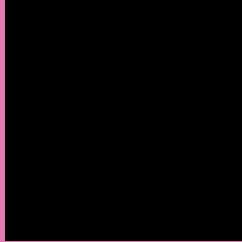
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7112, 0.3694, 0.2661

Background



This preview shows how black text looks on a background with the Yxy color 33.7112, 0.3694, 0.2661.



This preview shows how white text looks on a background with the Yxy color 33.7112, 0.3694, 0.2661.

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

33.7112, 0.3694, 0.2661

Protanopia

34.0581, 0.2677, 0.2668

Deuteranopia

33.9066, 0.3072, 0.3005



Tritanopia

33.5467, 0.4082, 0.3174

Trichromacy



Original Color

33.7112, 0.3694, 0.2661



Protanomaly

32.8662, 0.2990, 0.2644



Deuteranomaly

33.1325, 0.3282, 0.2851



Tritanomaly

33.3591, 0.3936, 0.2973

Monochromacy



Original Color

33.7112, 0.3694, 0.2661



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

33.8478, 0.3315, 0.3018

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7112, 0.3694, 0.2661 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, 123, 178)` looks like.

```
.text, #text, p{  
    color:rgb(227, 123, 178)  
}
```

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, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 123, 178) }
```

Border

The CSS property to change the border of an element to Yxy 33.7112, 0.3694, 0.2661 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, 123, 178) }
```

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

```
.border{ border-color:rgb(227, 123, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 123, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 123, 178);  
box-shadow:4px 4px 4px 4px rgb(227, 123,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7112, 0.3694, 0.2661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 123, 178) }
```

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

```
.background{ background-color: rgb(227,  
123, 178) }
```

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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