

Converting Colors

$Yxy(34.7356, 0.3857, 0.2733)$

Have a look what the booklet for
Yxy(34.7356, 0.3857, 0.2733)
contains.

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Color

Yxy(34.7305, 0.3862, 0.2737)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EC7AAC |
| RGB | 236, 122, 172 |
| RGB Percent | 93%, 48%, 67% |
| CMY | 0.0744, 0.5216, 0.3254 |
| CMYK | 0.00, 0.48, 0.27, 0.07 |
| HSL | 334°, 75%, 70% |
| HSV | 334°, 48%, 93% |
| XYZ | 49.0059, 34.7305, 43.1562 |
| YIQ | 161.7860, 51.8940, 39.7180 |

Conversions

Conversions Part 2

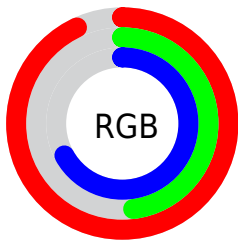
| Format | Color |
|-------------------------------------|------------------------------|
| R _{YB} | 236, 122, 172 |
| Decimal | 15497900 |
| CIE Lab | 65.54, 49.48, -6.33 |
| CIE LCh | 66, 49.879, 352.711 |
| Yxy | 34.7305, 0.3862, 0.2737 |
| Android (android.graphics.Color) | 4293687980 (0xFFEC7AAC) |
| YUV | 161.7860, 5.0355, 65.0857 |
| Hunter-Lab | 58.9326, 45.3012, -2.1651 |

Details

The Yxy color **34.7305, 0.3862, 0.2737** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **67.6893, 0.2732, 0.3944**, and the grayscale version is **35.9836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2503, 0.3385, 0.2784**, and **14.8374, 0.4080, 0.2566** is the 20% darker color. If you saturate the color by 10%, you get **29.1398, 0.4101, 0.2641**, and if you desaturate by 10%, it is **41.7826, 0.3655, 0.2849**.

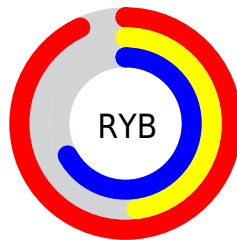
Distribution



Red (93%)

Green (48%)

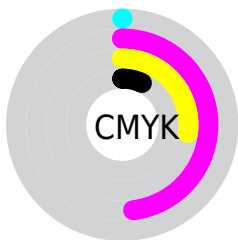
Blue (67%)



Red (93%)

Yellow (48%)

Blue (67%)

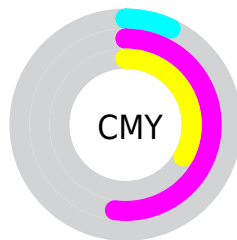


Cyan (0%)

Magenta (48%)

Yellow (27%)

Black (7%)



Cyan (7%)


Magenta (52%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7305, 0.3862, 0.2737 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 34.7305, 0.3862, 0.2737 by changing the saturation by 10% instead.


 34.7305, 0.3862,
0.2737


 34.7305, 0.3862,
0.2737


323.3772, 0.3483,
0.3017

 23.4554, 0.3960,
0.2666

 67.0681, 0.3721,
0.2839

 14.9301, 0.4089,
0.2575


 88.8993, 0.3669,
0.2878

 8.7703, 0.4263,
0.2453


 115.0179, 0.3626,
0.2910

 4.5917, 0.4512,
0.2283

145.8085, 0.3589,
0.2938

 2.0097, 0.4895,
0.2030

181.6553, 0.3557,
0.2961

 0.6131, 0.5588,
0.1563

222.9427, 0.3529,


 0.0000, 1.0000,


0.2982


0.0000


270.0552, 0.3504,
0.3001


 0.0000, 0.0000,
0.0000

 34.7305, 0.3862,
0.2737


 34.7305, 0.3862,
0.2737

 29.1398, 0.4101,
0.2641


 41.7826, 0.3655,
0.2849

 24.9003, 0.4368,
0.2574


 50.3856, 0.3479,
0.2967

 21.8941, 0.4653,
0.2548


 60.6279, 0.3333,
0.3086

 19.9805, 0.4940,
0.2574

 72.5897, 0.3211,
0.3200

 18.9598, 0.5210,
0.2653

 86.3459, 0.3112,
0.3308

 18.8279, 0.5255,
0.2668

 96.3549, 0.3031,
0.3324

 96.5778, 0.3012,
0.3290

Harmonies

Analogous

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



34.7305, 0.3073, 0.2346



34.7305, 0.3862, 0.2737



34.7305, 0.4471, 0.3252

Triad

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



34.7305, 0.3862, 0.2737



34.7305, 0.3761, 0.4686



34.7305, 0.1805, 0.2487

Complementary

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



34.7305, 0.3862, 0.2737



67.6893, 0.2732, 0.3944

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.



34.7305, 0.1935, 0.3101



34.7305, 0.3862, 0.2737



34.7305, 0.3029, 0.4566

Square

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



34.7305, 0.3862, 0.2737



34.7305, 0.4361, 0.4350



34.7305, 0.2363, 0.3920



34.7305, 0.1961, 0.2178

Rectangle

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



34.7305, 0.3862, 0.2737



34.7305, 0.4643, 0.3628



34.7305, 0.2363, 0.3920



34.7305, 0.1815, 0.2658

Sweetspot

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



34.7322, 0.3862, 0.2737



78.0756, 0.3278, 0.3135



30.2513, 0.2707, 0.1948



16.0680, 0.3305, 0.3110



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.



34.7322, 0.3862, 0.2737



34.7740, 0.4099, 0.2642



34.5994, 0.4443, 0.3357



15.1638, 0.3224, 0.3187



10.4005, 0.5215, 0.2646



0.8357, 0.4869, 0.2456

Inverse Universe

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



34.7322, 0.3862, 0.2737



34.7740, 0.4099, 0.2642



66.9699, 0.2477, 0.3218



15.1638, 0.3224, 0.3187



10.4005, 0.5215, 0.2646



0.8357, 0.4869, 0.2456

Previews

White Background



This preview shows how the Yxy color 34.7305, 0.3862, 0.2737 looks on a white background.

Color Contrast Check

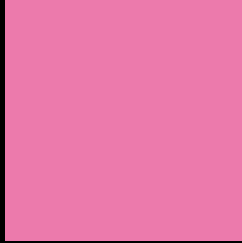
Large Text (above 18pt) WCAG AA × Fail

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 34.7305, 0.3862, 0.2737 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 34.7305, 0.3862, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 34.7305, 0.3862, 0.2737.



This preview shows how white text looks on a background with the Yxy color 34.7305, 0.3862, 0.2737.

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

34.7305, 0.3862, 0.2737

Protanopia

34.9732, 0.2757, 0.2768

Deuteranopia

35.0034, 0.3184, 0.3121



Tritanopia

34.8591, 0.4214, 0.3191

Trichromacy



Original Color

34.7305, 0.3862, 0.2737



Protanomaly

33.7837, 0.3104, 0.2732



Deuteranomaly

34.1116, 0.3415, 0.2950



Tritanomaly

34.6161, 0.4093, 0.3021

Monochromacy



Original Color

34.7305, 0.3862, 0.2737



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.4394, 0.3376, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7305, 0.3862, 0.2737 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(236, 122, 172)` looks like.

```
.text, #text, p{  
    color:rgb(236, 122, 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(236, 122, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 122, 172) }
```

Border

The CSS property to change the border of an element to Yxy 34.7305, 0.3862, 0.2737 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(236, 122, 172) }
```

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

```
.border{ border-color:rgb(236, 122, 172) }
```

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

Here you see how a box with a 4 pixel rgb(236, 122, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 122, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 122, 172);  
box-shadow:4px 4px 4px 4px rgb(236, 122,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7305, 0.3862, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 122, 172) }
```

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

```
.background{ background-color: rgb(236,  
122, 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](#).

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