

Converting Colors

$Y_{xy}(35.5472, 0.3623, 0.2771)$

Have a look what the booklet for
Yxy(35.5472, 0.3623, 0.2771)
contains.

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Color

Yxy(35.4790, 0.3631, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	DE85B1
RGB	222, 133, 177
RGB Percent	87%, 52%, 69%
CMY	0.1293, 0.4785, 0.3058
CMYK	0.00, 0.40, 0.20, 0.13
HSL	330°, 57%, 70%
HSV	330°, 40%, 87%
XYZ	46.4566, 35.4790, 46.0088
YIQ	164.6270, 38.9200, 32.5520

Conversions

Conversions Part 2

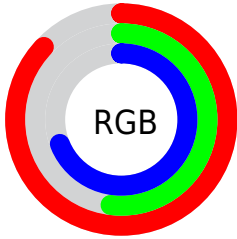
Format	Color
RYB	222, 133, 177
Decimal	14583217
CIELab	66.12, 39.89, -8.49
CIELCh	66, 40.787, 347.980
Yxy	35.4790, 0.3631, 0.2773
Android (android.graphics.Color)	4292773297 (0xFFDE85B1)
YUV	164.6270, 6.0999, 50.3161
Hunter-Lab	59.5643, 34.9821, -4.1020

Details

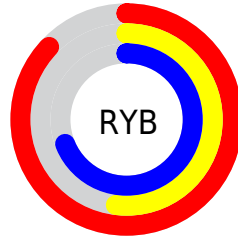
The Yxy color **35.4790, 0.3631, 0.2773** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.4581, 0.2814, 0.3881**, and the grayscale version is **37.3962, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1096, 0.3324, 0.2837**, and **15.3394, 0.3790, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **29.6018, 0.3819, 0.2650**, and if you desaturate by 10%, it is **42.6812, 0.3470, 0.2905**.

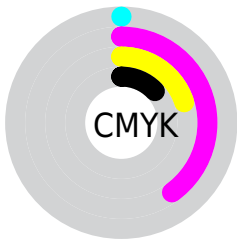
Distribution



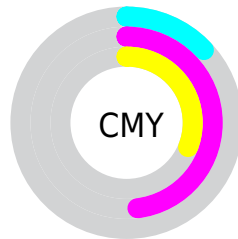
- Red (87%)
- Green (52%)
- Blue (69%)



- Red (87%)
- Yellow (52%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (13%)




- Cyan (13%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4790, 0.3631, 0.2773 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 35.4790, 0.3631, 0.2773 by changing the saturation by 10% instead.

 35.4790, 0.3631,
0.2773


 35.4790, 0.3631,
0.2773


326.6776, 0.3373,
0.3033

 24.0321, 0.3697,
0.2708


 68.2272, 0.3536,
0.2868

 15.3574, 0.3783,
0.2624


 90.2972, 0.3501,
0.2903

 9.0706, 0.3900,
0.2513


 116.6770, 0.3471,
0.2933

 4.7873, 0.4066,
0.2357

147.7511, 0.3446,
0.2959

 2.1230, 0.4320,
0.2127

183.9038, 0.3424,
0.2981

 0.6775, 0.4775,
0.1720

225.5195, 0.3405,

 0.0000, 0.8176,

0.3000

0.0000

272.9827, 0.3388,
0.3018

0.0000, 0.0000,
0.0000

35.4790, 0.3631,
0.2773

35.4790, 0.3631,
0.2773

29.6018, 0.3819,
0.2650

42.6812, 0.3470,
0.2905

24.9619, 0.4033,
0.2545

51.2786, 0.3335,
0.3037

21.4691, 0.4269,
0.2471

61.3427, 0.3222,
0.3166

19.0186, 0.4519,
0.2440

72.9383, 0.3128,
0.3289

17.4857, 0.4769,
0.2463

86.1265, 0.3051,
0.3403

 16.6563, 0.5008,
0.2532

 93.6077, 0.2987,
0.3398

 94.2745, 0.2929,
0.3289

Harmonies

Analogous

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



35.4790, 0.2992, 0.2461



35.4790, 0.3631, 0.2773



35.4790, 0.4159, 0.3203

Triad

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



35.4790, 0.3631, 0.2773



35.4790, 0.3757, 0.4407



35.4790, 0.2022, 0.2706

Complementary

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



35.4790, 0.3631, 0.2773



60.4581, 0.2814, 0.3881

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.



35.4790, 0.2181, 0.3250



35.4790, 0.3631, 0.2773



35.4790, 0.3160, 0.4349

Square

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



35.4790, 0.3631, 0.2773



35.4790, 0.4210, 0.4125



35.4790, 0.2585, 0.3894



35.4790, 0.2116, 0.2394

Rectangle

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



35.4790, 0.3631, 0.2773



35.4790, 0.4344, 0.3521



35.4790, 0.2585, 0.3894



35.4790, 0.2046, 0.2865

Sweetspot

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



35.4807, 0.3631, 0.2773



81.0503, 0.3242, 0.3141



31.4532, 0.2758, 0.2179



16.9464, 0.3257, 0.3124



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.



35.4807, 0.3631, 0.2773



41.7823, 0.3784, 0.2670



33.9983, 0.4141, 0.3293



13.8130, 0.3215, 0.3175



9.9128, 0.4975, 0.2514



0.7052, 0.4630, 0.2324

Inverse Universe

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



35.4807, 0.3631, 0.2773



41.7823, 0.3784, 0.2670



62.5198, 0.2577, 0.3288



13.8130, 0.3215, 0.3175



9.9128, 0.4975, 0.2514



0.7052, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 35.4790, 0.3631, 0.2773 looks on a white background.

Color Contrast Check

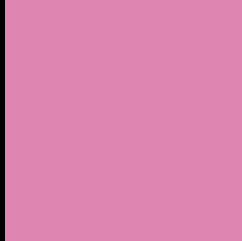
Large Text (above 18pt) WCAG AA × Fail

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 35.4790, 0.3631, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

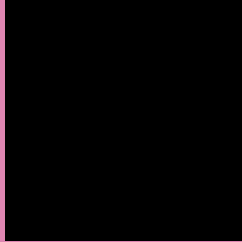
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4790, 0.3631, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 35.4790, 0.3631, 0.2773.



This preview shows how white text looks on a background with the Yxy color 35.4790, 0.3631, 0.2773.

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

35.4790, 0.3631, 0.2773

Protanopia

35.9067, 0.2792, 0.2813

Deuteranopia

35.7890, 0.3118, 0.3067



Tritanopia

35.4070, 0.3901, 0.3159

Trichromacy



Original Color

35.4790, 0.3631, 0.2773



Protanomaly

35.0272, 0.3064, 0.2782



Deuteranomaly

35.1830, 0.3305, 0.2947



Tritanomaly

35.3272, 0.3804, 0.3015

Monochromacy



Original Color

35.4790, 0.3631, 0.2773



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.0861, 0.3307, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4790, 0.3631, 0.2773 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(222, 133, 177)` looks like.

```
.text, #text, p{  
    color:rgb(222, 133, 177)  
}
```

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(222, 133, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 133, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.4790, 0.3631, 0.2773 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(222, 133, 177) }
```

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

```
.border{ border-color:rgb(222, 133, 177) }
```

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

Here you see how a box with a 4 pixel rgb(222, 133, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 133, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 133, 177);  
box-shadow:4px 4px 4px 4px rgb(222, 133,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4790, 0.3631, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 133, 177) }
```

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

```
.background{ background-color: rgb(222,  
133, 177) }
```

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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