

Converting Colors

$Y_{xy}(35.8040, 0.3730, 0.2940)$

Have a look what the booklet for
Yxy(35.8040, 0.3730, 0.2940)
contains.

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Color

Yxy(36.0166, 0.3733, 0.2945)

Conversions

Conversions Part 1

Format	Color
Hex	DD89A6
RGB	221, 137, 166
RGB Percent	87%, 54%, 65%
CMY	0.1332, 0.4628, 0.3490
CMYK	0.00, 0.38, 0.25, 0.13
HSL	339°, 55%, 70%
HSV	339°, 38%, 87%
XYZ	45.6536, 36.0166, 40.6272
YIQ	165.4220, 40.7550, 26.8270

Conversions

Conversions Part 2

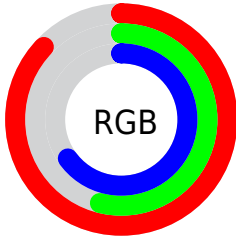
Format	Color
R _{YB}	221, 137, 166
Decimal	14518694
CIE Lab	66.53, 35.83, -1.69
CIE LCh	67, 35.871, 357.305
Yxy	36.0166, 0.3733, 0.2945
Android (android.graphics.Color)	4292708774 (0xFFDD89A6)
YUV	165.4220, 0.2850, 48.7419
Hunter-Lab	60.0138, 30.7641, 1.8725

Details

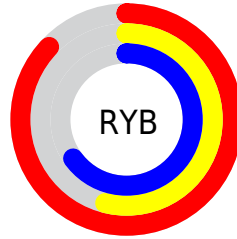
The Yxy color **36.0166, 0.3733, 0.2945** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.8495, 0.2757, 0.3671**, and the grayscale version is **37.8249, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1797, 0.3414, 0.2995**, and **15.6044, 0.3927, 0.2838** is the 20% darker color. If you saturate the color by 10%, you get **29.8641, 0.3978, 0.2857**, and if you desaturate by 10%, it is **43.5193, 0.3528, 0.3039**.

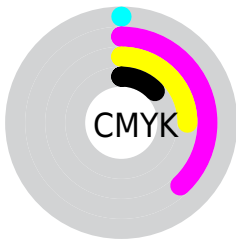
Distribution



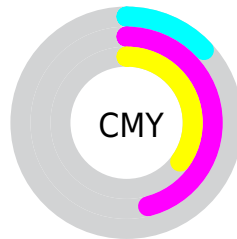
- Red (87%)
- Green (54%)
- Blue (65%)



- Red (87%)
- Yellow (54%)
- Blue (65%)



- Cyan (0%)
- Magenta (38%)
- Yellow (25%)
- Black (13%)





- Cyan (13%)
- Magenta (46%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.0166, 0.3733, 0.2945 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 36.0166, 0.3733, 0.2945 by changing the saturation by 10% instead.


 36.0166, 0.3733,
0.2945


 36.0166, 0.3733,
0.2945


329.0331, 0.3418,
0.3123

 24.4470, 0.3815,
0.2899


 69.0577, 0.3616,
0.3011

 15.6655, 0.3923,
0.2839


 91.2980, 0.3573,
0.3035

 9.2878, 0.4071,
0.2757


 117.8640, 0.3537,
0.3056

 4.9294, 0.4285,
0.2639

149.1400, 0.3506,
0.3073

 2.2059, 0.4621,
0.2456

185.5106, 0.3479,
0.3088

 0.7232, 0.5232,
0.2117

227.3600, 0.3456,


 0.0000, 1.0000,


0.3101


0.0000


275.0727, 0.3436,
0.3113

 0.0000, 0.0000,
0.0000


 36.0166, 0.3733,
0.2945


 36.0166, 0.3733,
0.2945


 29.8641, 0.3978,
0.2857


 43.5193, 0.3528,
0.3039


 24.9754, 0.4263,
0.2784


 52.4413, 0.3359,
0.3132


 21.2625, 0.4582,
0.2736


 62.8531, 0.3220,
0.3222


 18.6233, 0.4923,
0.2727


 74.8192, 0.3107,
0.3306


 16.9383, 0.5261,
0.2766

 88.3998, 0.3014,
0.3384

 16.0384, 0.5567,
0.2853

 93.9769, 0.2935,
0.3311

 15.9024, 0.5624,
0.2872

 94.1160, 0.2923,
0.3289

Harmonies

Analogous

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



36.0166, 0.3185, 0.2624



36.0166, 0.3733, 0.2945



36.0166, 0.4122, 0.3353

Triad

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



36.0166, 0.3733, 0.2945



36.0166, 0.3534, 0.4286



36.0166, 0.2147, 0.2672

Complementary

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



36.0166, 0.3733, 0.2945



60.8495, 0.2757, 0.3671

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.



36.0166, 0.2221, 0.3097



36.0166, 0.3733, 0.2945



36.0166, 0.2997, 0.4115

Square

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



36.0166, 0.3733, 0.2945



36.0166, 0.3984, 0.4132



36.0166, 0.2521, 0.3647



36.0166, 0.2301, 0.2455

Rectangle

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



36.0166, 0.3733, 0.2945



36.0166, 0.4218, 0.3639



36.0166, 0.2521, 0.3647



36.0166, 0.2146, 0.2792

Sweetspot

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



36.0183, 0.3733, 0.2945



82.2640, 0.3259, 0.3195



34.2665, 0.2897, 0.2275



17.1791, 0.3278, 0.3183



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.



36.0183, 0.3733, 0.2945



42.5738, 0.3934, 0.2871



38.8658, 0.4004, 0.3445



13.1254, 0.3238, 0.3210



9.2549, 0.5584, 0.2850



0.6155, 0.5127, 0.2598

Inverse Universe

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



36.0183, 0.3733, 0.2945



42.5738, 0.3934, 0.2871



55.8560, 0.2576, 0.3126



13.1254, 0.3238, 0.3210



9.2549, 0.5584, 0.2850



0.6155, 0.5127, 0.2598

Previews

White Background



This preview shows how the Yxy color 36.0166, 0.3733, 0.2945 looks on a white background.

Color Contrast Check

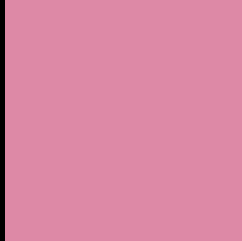
Large Text (above 18pt) WCAG AA × Fail

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 36.0166, 0.3733, 0.2945 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

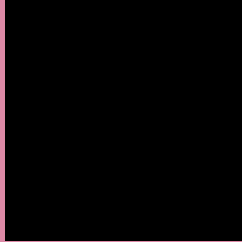
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.0166, 0.3733, 0.2945

Background



This preview shows how black text looks on a background with the Yxy color 36.0166, 0.3733, 0.2945.



This preview shows how white text looks on a background with the Yxy color 36.0166, 0.3733, 0.2945.

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

36.0166, 0.3733, 0.2945

Protanopia

36.2995, 0.2947, 0.3007

Deuteranopia

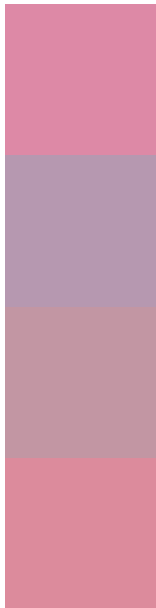
36.1876, 0.3288, 0.3221



Tritanopia

36.0182, 0.3882, 0.3171

Trichromacy



Original Color

36.0166, 0.3733, 0.2945

Protanomaly

35.5361, 0.3202, 0.2966

Deuteranomaly

35.9264, 0.3452, 0.3119

Tritanomaly

36.0812, 0.3828, 0.3087

Monochromacy



Original Color

36.0166, 0.3733, 0.2945

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.4736, 0.3332, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.0166, 0.3733, 0.2945 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(221, 137, 166)` looks like.

```
.text, #text, p{  
    color:rgb(221, 137, 166)  
}
```

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(221, 137, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 137, 166) }
```

Border

The CSS property to change the border of an element to Yxy 36.0166, 0.3733, 0.2945 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(221, 137, 166) }
```

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

```
.border{ border-color:rgb(221, 137, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 137, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 137, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 137, 166);  
box-shadow:4px 4px 4px 4px rgb(221, 137,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 36.0166, 0.3733, 0.2945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 137, 166) }
```

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

```
.background{ background-color: rgb(221,  
137, 166) }
```

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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