

Converting Colors

$Y_{xy}(35.9710, 0.3614, 0.2791)$

Have a look what the booklet for
Yxy(35.9710, 0.3614, 0.2791)
contains.

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Color

Yxy(35.8744, 0.3616, 0.2795)

Conversions

Conversions Part 1

Format	Color
Hex	DD87B1
RGB	221, 135, 177
RGB Percent	87%, 53%, 69%
CMY	0.1334, 0.4705, 0.3059
CMYK	0.00, 0.39, 0.20, 0.13
HSL	331°, 56%, 70%
HSV	331°, 39%, 87%
XYZ	46.4121, 35.8744, 46.0656
YIQ	165.5020, 37.7740, 31.2940

Conversions

Conversions Part 2

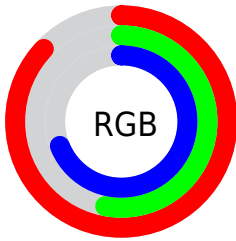
Format	Color
R_{YB}	221, 135, 177
Decimal	14518193
CIE Lab	66.42, 38.46, -8.03
CIE LCh	66, 39.287, 348.203
Yxy	35.8744, 0.3616, 0.2795
Android (android.graphics.Color)	4292708273 (0xFFDD87B1)
YUV	165.5020, 5.6685, 48.6717
Hunter-Lab	59.8952, 33.5008, -3.6734

Details

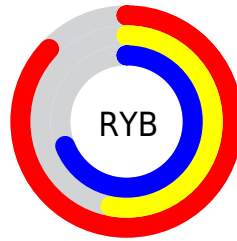
The Yxy color **35.8744, 0.3616, 0.2795** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.1086, 0.2819, 0.3852**, and the grayscale version is **37.8404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9701, 0.3322, 0.2858**, and **15.5343, 0.3769, 0.2656** is the 20% darker color. If you saturate the color by 10%, you get **29.9030, 0.3803, 0.2672**, and if you desaturate by 10%, it is **43.1662, 0.3456, 0.2925**.

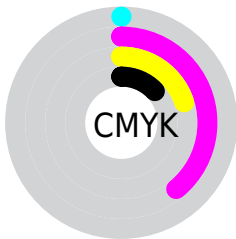
Distribution



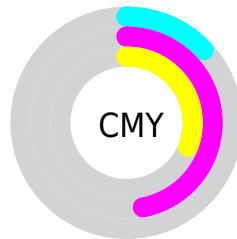
- Red (87%)
- Green (53%)
- Blue (69%)



- Red (87%)
- Yellow (53%)
- Blue (69%)



- Cyan (0%)
- Magenta (39%)
- Yellow (20%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.8744, 0.3616, 0.2795 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 35.8744, 0.3616, 0.2795 by changing the saturation by 10% instead.

 35.8744, 0.3616,
0.2795


 35.8744, 0.3616,
0.2795


328.4112, 0.3366,
0.3044

 24.3372, 0.3680,
0.2733


 68.8382, 0.3524,
0.2886

 15.5840, 0.3764,
0.2652


 91.0335, 0.3490,
0.2920

 9.2302, 0.3877,
0.2545


 117.5504, 0.3461,
0.2948

 4.8917, 0.4038,
0.2396

148.7732, 0.3436,
0.2973

 2.1838, 0.4285,
0.2174

185.0862, 0.3415,
0.2994

 0.7112, 0.4721,
0.1790

226.8740, 0.3397,

 0.0000, 0.8117,

0.3013

0.0000

274.5209, 0.3380,
0.3029

0.0000, 0.0000,
0.0000

35.8744, 0.3616,
0.2795

35.8744, 0.3616,
0.2795

29.9030, 0.3803,
0.2672

43.1662, 0.3456,
0.2925

25.1663, 0.4017,
0.2566

51.8472, 0.3322,
0.3056

21.5763, 0.4255,
0.2489


61.9872, 0.3210,
0.3183


19.0312, 0.4507,
0.2454


73.6501, 0.3118,
0.3303


17.4108, 0.4763,
0.2470

86.8957, 0.3042,
0.3415

 16.5284, 0.5008,
0.2539

 93.4715, 0.2978,
0.3393

 16.4488, 0.5035,
0.2547

 94.1086, 0.2923,
0.3289

Harmonies

Analogous

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



35.8744, 0.3003, 0.2491



35.8744, 0.3616, 0.2795



35.8744, 0.4120, 0.3212

Triad

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



35.8744, 0.3616, 0.2795



35.8744, 0.3732, 0.4363



35.8744, 0.2061, 0.2728

Complementary

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



35.8744, 0.3616, 0.2795



60.1086, 0.2819, 0.3852

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.



35.8744, 0.2214, 0.3250



35.8744, 0.3616, 0.2795



35.8744, 0.3158, 0.4301

Square

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



35.8744, 0.3616, 0.2795



35.8744, 0.4167, 0.4100



35.8744, 0.2604, 0.3863



35.8744, 0.2153, 0.2427

Rectangle

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



35.8744, 0.3616, 0.2795



35.8744, 0.4296, 0.3520



35.8744, 0.2604, 0.3863



35.8744, 0.2084, 0.2880

Sweetspot

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



35.8761, 0.3616, 0.2795



81.0387, 0.3244, 0.3143



32.0179, 0.2772, 0.2215



16.9437, 0.3258, 0.3126



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.



35.8761, 0.3616, 0.2795



42.5097, 0.3773, 0.2690



34.4522, 0.4096, 0.3293



13.1570, 0.3216, 0.3176



9.5803, 0.4999, 0.2528



0.6380, 0.4630, 0.2324

Inverse Universe

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



35.8761, 0.3616, 0.2795



42.5097, 0.3773, 0.2690



62.0727, 0.2590, 0.3288



13.1570, 0.3216, 0.3176



9.5803, 0.4999, 0.2528



0.6380, 0.4630, 0.2324

Previews

White Background



This preview shows how the Yxy color 35.8744, 0.3616, 0.2795 looks on a white background.

Color Contrast Check

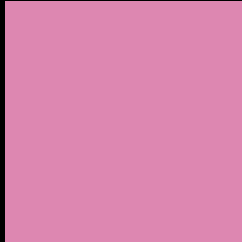
Large Text (above 18pt) WCAG AA × Fail

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 35.8744, 0.3616, 0.2795 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 35.8744, 0.3616, 0.2795

Background



This preview shows how black text looks on a background with the Yxy color 35.8744, 0.3616, 0.2795.



This preview shows how white text looks on a background with the Yxy color 35.8744, 0.3616, 0.2795.

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

35.8744, 0.3616, 0.2795

Protanopia

36.3086, 0.2809, 0.2842

Deuteranopia

36.0153, 0.3138, 0.3068



Tritanopia

35.8636, 0.3871, 0.3170

Trichromacy



Original Color

35.8744, 0.3616, 0.2795



Protanomaly

35.6280, 0.3072, 0.2822



Deuteranomaly

35.4980, 0.3304, 0.2960



Tritanomaly

35.7751, 0.3776, 0.3026

Monochromacy



Original Color

35.8744, 0.3616, 0.2795



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.7841, 0.3294, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8744, 0.3616, 0.2795 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, 135, 177)` looks like.

```
.text, #text, p{  
    color:rgb(221, 135, 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(221, 135, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 135, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.8744, 0.3616, 0.2795 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, 135, 177) }
```

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

```
.border{ border-color:rgb(221, 135, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 135, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 135, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 135, 177);  
box-shadow:4px 4px 4px 4px rgb(221, 135,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8744, 0.3616, 0.2795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 135, 177) }
```

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

```
.background{ background-color: rgb(221,  
135, 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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