

Converting Colors

$Y_{xy}(36.1937, 0.3583, 0.2752)$

Have a look what the booklet for
Yxy(36.1937, 0.3583, 0.2752)
contains.

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Color

Yxy(36.1937, 0.3583, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	DE87B5
RGB	222, 135, 181
RGB Percent	87%, 53%, 71%
CMY	0.1295, 0.4705, 0.2903
CMYK	0.00, 0.39, 0.18, 0.13
HSL	328°, 57%, 70%
HSV	328°, 39%, 87%
XYZ	47.1228, 36.1937, 48.2013
YIQ	166.2570, 37.0860, 32.7500

Conversions

Conversions Part 2

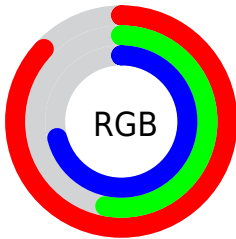
Format	Color
R _Y B	222, 135, 181
Decimal	14583733
CIE Lab	66.67, 39.41, -9.90
CIE LCh	67, 40.630, 345.902
Yxy	36.1937, 0.3583, 0.2752
Android (android.graphics.Color)	4292773813 (0xFFDE87B5)
YUV	166.2570, 7.2683, 48.8866
Hunter-Lab	60.1612, 34.5327, -5.3904

Details

The Yxy color **36.1937, 0.3583, 0.2752** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.5239, 0.2837, 0.3906**, and the grayscale version is **38.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2013, 0.3291, 0.2820**, and **15.7444, 0.3719, 0.2601** is the 20% darker color. If you saturate the color by 10%, you get **30.2187, 0.3754, 0.2620**, and if you desaturate by 10%, it is **43.4958, 0.3436, 0.2892**.

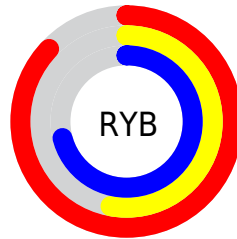
Distribution



Red (87%)

Green (53%)

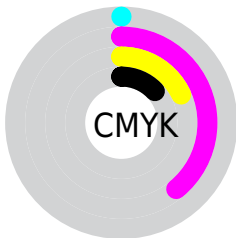
Blue (71%)



Red (87%)

Yellow (53%)

Blue (71%)

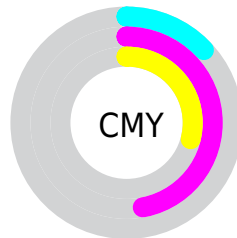


Cyan (0%)

Magenta (39%)

Yellow (18%)

Black (13%)



Cyan (13%)


Magenta (47%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1937, 0.3583, 0.2752 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 36.1937, 0.3583, 0.2752 by changing the saturation by 10% instead.

 36.1937, 0.3583,
0.2752


 36.1937, 0.3583,
0.2752


329.8064, 0.3352,
0.3021

 24.5838, 0.3642,
0.2685


 69.3309, 0.3498,
0.2849

 15.7673, 0.3718,
0.2600


 91.6271, 0.3466,
0.2886

 9.3596, 0.3820,
0.2487


 118.2541, 0.3440,
0.2917

 4.9765, 0.3965,
0.2330

149.5964, 0.3417,
0.2944

 2.2335, 0.4184,
0.2100

186.0384, 0.3397,
0.2967

 0.7382, 0.4561,
0.1718

227.9645, 0.3380,

 0.0000, 0.6781,

0.2987

0.0000

275.7590, 0.3365,
0.3005

0.0000, 0.0000,
0.0000

36.1937, 0.3583,
0.2752

36.1937, 0.3583,
0.2752

30.2187, 0.3754,
0.2620

43.4958, 0.3436,
0.2892

25.4841, 0.3949,
0.2505

52.1944, 0.3311,
0.3034

21.9008, 0.4164,
0.2420

62.3602, 0.3207,
0.3170

19.3657, 0.4392,
0.2378


74.0577, 0.3121,
0.3300


17.7567, 0.4622,
0.2387


87.3473, 0.3049,
0.3422

 16.8787, 0.4845,
0.2447

 93.5662, 0.2989,
0.3404

 16.8186, 0.4863,
0.2453

 94.2197, 0.2933,
0.3297

 94.2675, 0.2929,
0.3289

Harmonies

Analogous

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



36.1937, 0.2952, 0.2453



36.1937, 0.3583, 0.2752



36.1937, 0.4120, 0.3173

Triad

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



36.1937, 0.3583, 0.2752



36.1937, 0.3789, 0.4385



36.1937, 0.2035, 0.2743

Complementary

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



36.1937, 0.3583, 0.2752



60.5239, 0.2837, 0.3906

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.



36.1937, 0.2210, 0.3295



36.1937, 0.3583, 0.2752



36.1937, 0.3203, 0.4355

Square

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



36.1937, 0.3583, 0.2752



36.1937, 0.4222, 0.4091



36.1937, 0.2626, 0.3928



36.1937, 0.2111, 0.2417

Rectangle

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



36.1937, 0.3583, 0.2752



36.1937, 0.4320, 0.3487



36.1937, 0.2626, 0.3928



36.1937, 0.2065, 0.2905

Sweetspot

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



36.1954, 0.3583, 0.2752



81.1117, 0.3236, 0.3131



31.7902, 0.2743, 0.2199



16.9609, 0.3249, 0.3113



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.



36.1954, 0.3583, 0.2752



42.7290, 0.3721, 0.2643



34.6931, 0.4073, 0.3258



13.8210, 0.3210, 0.3167



10.0140, 0.4832, 0.2436



0.7122, 0.4514, 0.2260

Inverse Universe

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



36.1954, 0.3583, 0.2752



42.7290, 0.3721, 0.2643



62.5069, 0.2602, 0.3325



13.8210, 0.3210, 0.3167



10.0140, 0.4832, 0.2436



0.7122, 0.4514, 0.2260

Previews

White Background



This preview shows how the Yxy color 36.1937, 0.3583, 0.2752 looks on a white background.

Color Contrast Check

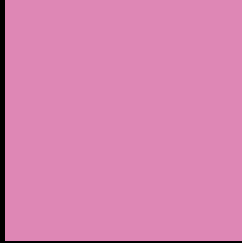
Large Text (above 18pt) WCAG AA × Fail

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 36.1937, 0.3583, 0.2752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

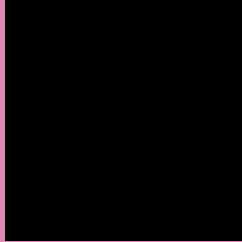
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1937, 0.3583, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 36.1937, 0.3583, 0.2752.



This preview shows how white text looks on a background with the Yxy color 36.1937, 0.3583, 0.2752.

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

36.1937, 0.3583, 0.2752

Protanopia

36.4370, 0.2763, 0.2776

Deuteranopia

36.3987, 0.3092, 0.3027



Tritanopia

36.3442, 0.3867, 0.3171

Trichromacy



Original Color

36.1937, 0.3583, 0.2752



Protanomaly

35.8459, 0.3028, 0.2760



Deuteranomaly

35.9742, 0.3264, 0.2922



Tritanomaly

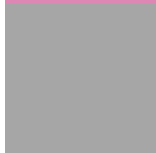
36.2895, 0.3761, 0.3015

Monochromacy



Original Color

36.1937, 0.3583, 0.2752



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.8221, 0.3285, 0.3076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1937, 0.3583, 0.2752 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, 135, 181)` looks like.

```
.text, #text, p{  
    color:rgb(222, 135, 181)  
}
```

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, 135, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 135, 181) }
```

Border

The CSS property to change the border of an element to Yxy 36.1937, 0.3583, 0.2752 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, 135, 181) }
```

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

```
.border{ border-color:rgb(222, 135, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 135, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 135, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 135, 181);  
box-shadow:4px 4px 4px 4px rgb(222, 135,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1937, 0.3583, 0.2752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 135, 181) }
```

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

```
.background{ background-color: rgb(222,  
135, 181) }
```

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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