

Converting Colors

$Y_{xy}(36.3400, 0.3606, 0.2855)$

Have a look what the booklet for
Yxy(36.3400, 0.3606, 0.2855)
contains.

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Color

Yxy(36.1775, 0.3600, 0.2848)

Conversions

Conversions Part 1

Format	Color
Hex	DA8AAF
RGB	218, 138, 175
RGB Percent	85%, 54%, 69%
CMY	0.1452, 0.4587, 0.3138
CMYK	0.00, 0.37, 0.20, 0.15
HSL	332°, 52%, 70%
HSV	332°, 37%, 85%
XYZ	45.7300, 36.1775, 45.1203
YIQ	166.1380, 35.8030, 28.4670

Conversions

Conversions Part 2

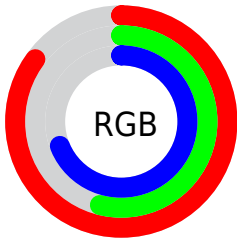
Format	Color
R _Y B	218, 138, 175
Decimal	14322351
CIE Lab	66.66, 35.52, -6.60
CIE LCh	67, 36.129, 349.476
Yxy	36.1775, 0.3600, 0.2848
Android (android.graphics.Color)	4292512431 (0xFFDA8AAF)
YUV	166.1380, 4.3690, 45.4830
Hunter-Lab	60.1477, 30.4540, -2.3734

Details

The Yxy color $36.1775, 0.3600, 0.2848$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $58.8660, 0.2822, 0.3785$, and the grayscale version is $38.1700, 0.3127, 0.3290$.

A 20% lighter version of the original color is $65.1695, 0.3334, 0.2907$, and $15.7670, 0.3746, 0.2709$ is the 20% darker color. If you saturate the color by 10%, you get $30.0978, 0.3791, 0.2729$, and if you desaturate by 10%, it is $43.5556, 0.3438, 0.2972$.

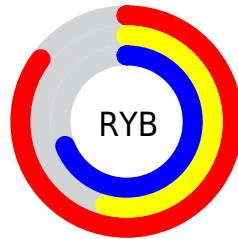
Distribution



Red (85%)

Green (54%)

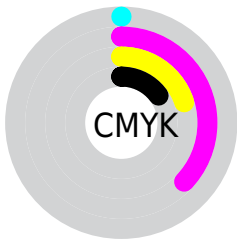
Blue (69%)



Red (85%)

Yellow (54%)

Blue (69%)

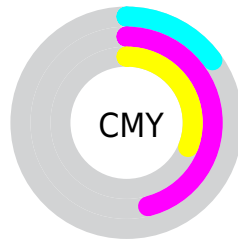


Cyan (0%)

Magenta (37%)

Yellow (20%)

Black (15%)



Cyan (15%)


Magenta (46%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.1775, 0.3600, 0.2848 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 36.1775, 0.3600, 0.2848 by changing the saturation by 10% instead.


 36.1775, 0.3600,
0.2848

 36.1775, 0.3600,
0.2848


329.7357, 0.3357,
0.3071

 24.5713, 0.3663,
0.2792

 69.3059, 0.3510,
0.2930

 15.7580, 0.3744,
0.2719


 91.5970, 0.3477,
0.2960

 9.3530, 0.3855,
0.2622


 118.2184, 0.3449,
0.2986

 4.9722, 0.4013,
0.2485

149.5547, 0.3425,
0.3008

 2.2309, 0.4257,
0.2280

185.9902, 0.3405,
0.3027

 0.7368, 0.4691,
0.1925

227.9092, 0.3387,

 0.0000, 0.8986,

0.3044

0.0000

275.6963, 0.3371,
0.3058

0.0000, 0.0000,
0.0000

36.1775, 0.3600,
0.2848

36.1775, 0.3600,
0.2848

30.0978, 0.3791,
0.2729

43.5556, 0.3438,
0.2972

25.2348, 0.4012,
0.2624

52.2972, 0.3303,
0.3096

21.5058, 0.4259,
0.2546

62.4691, 0.3191,
0.3215

18.8149, 0.4525,
0.2505

74.1321, 0.3098,
0.3326

17.0506, 0.4797,
0.2515

87.3437, 0.3022,
0.3430

■ 16.0701, 0.5059,
0.2580

■ 93.0308, 0.2957,
0.3389

■ 15.8347, 0.5144,
0.2607

■ 93.6398, 0.2906,
0.3289

Harmonies

Analogous

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



36.1775, 0.3039, 0.2559



36.1775, 0.3600, 0.2848



36.1775, 0.4051, 0.3241

Triad

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



36.1775, 0.3600, 0.2848



36.1775, 0.3668, 0.4279



36.1775, 0.2139, 0.2761

Complementary

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



36.1775, 0.3600, 0.2848



58.8660, 0.2822, 0.3785

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.



36.1775, 0.2274, 0.3234



36.1775, 0.3600, 0.2848



36.1775, 0.3137, 0.4199

Square

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



36.1775, 0.3600, 0.2848



36.1775, 0.4074, 0.4057



36.1775, 0.2629, 0.3791



36.1775, 0.2235, 0.2487

Rectangle

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



36.1775, 0.3600, 0.2848



36.1775, 0.4204, 0.3528



36.1775, 0.2629, 0.3791



36.1775, 0.2158, 0.2899

Sweetspot

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



36.1792, 0.3600, 0.2848



82.4572, 0.3238, 0.3163



33.0278, 0.2822, 0.2289



17.2251, 0.3253, 0.3147



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.



36.1792, 0.3600, 0.2848



44.7701, 0.3745, 0.2755



35.6948, 0.4003, 0.3325



13.1512, 0.3220, 0.3182



9.5115, 0.5108, 0.2588



0.6335, 0.4719, 0.2373

Inverse Universe

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



36.1792, 0.3600, 0.2848



44.7701, 0.3745, 0.2755



59.2189, 0.2611, 0.3254



13.1512, 0.3220, 0.3182



9.5115, 0.5108, 0.2588



0.6335, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 36.1775, 0.3600, 0.2848 looks on a white background.

Color Contrast Check

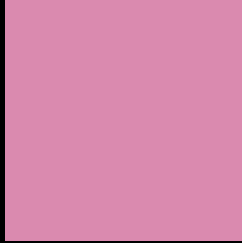
Large Text (above 18pt) WCAG AA × Fail

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 36.1775, 0.3600, 0.2848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

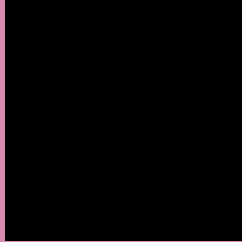
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.1775, 0.3600, 0.2848

Background



This preview shows how black text looks on a background with the Yxy color 36.1775, 0.3600, 0.2848.



This preview shows how white text looks on a background with the Yxy color 36.1775, 0.3600, 0.2848.

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

36.1775, 0.3600, 0.2848

Protanopia

36.3755, 0.2849, 0.2883

Deuteranopia

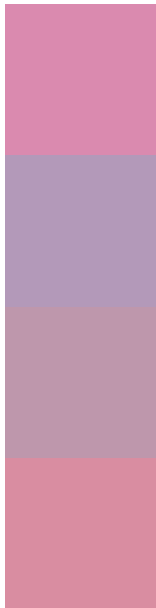
36.3927, 0.3165, 0.3110



Tritanopia

36.2448, 0.3810, 0.3157

Trichromacy



Original Color

36.1775, 0.3600, 0.2848

Protanomaly

35.8690, 0.3089, 0.2861

Deuteranomaly

36.0589, 0.3321, 0.3012

Tritanomaly

36.3747, 0.3735, 0.3048

Monochromacy



Original Color

36.1775, 0.3600, 0.2848

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.9558, 0.3293, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.1775, 0.3600, 0.2848 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(218, 138, 175)` looks like.

```
.text, #text, p{  
    color:rgb(218, 138, 175)  
}
```

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(218, 138, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 138, 175) }
```

Border

The CSS property to change the border of an element to Yxy 36.1775, 0.3600, 0.2848 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(218, 138, 175) }
```

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

```
.border{ border-color:rgb(218, 138, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 138, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 138, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 138, 175);  
box-shadow:4px 4px 4px 4px rgb(218, 138,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 36.1775, 0.3600, 0.2848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 138, 175) }
```

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

```
.background{ background-color: rgb(218,  
138, 175) }
```

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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