

Converting Colors

$Y_{xy}(36.7827, 0.3517, 0.2676)$

Have a look what the booklet for
Yxy(36.7827, 0.3517, 0.2676)
contains.

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Color

Yxy(36.6468, 0.3518, 0.2676)

Conversions

Conversions Part 1

Format	Color
Hex	DF87BC
RGB	223, 135, 188
RGB Percent	87%, 53%, 74%
CMY	0.1254, 0.4706, 0.2627
CMYK	0.00, 0.39, 0.16, 0.13
HSL	324°, 58%, 70%
HSV	324°, 39%, 87%
XYZ	48.1777, 36.6468, 52.1217
YIQ	167.3540, 35.4350, 35.1390

Conversions

Conversions Part 2

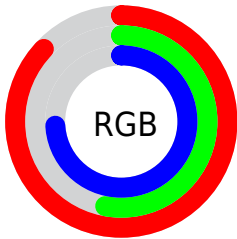
Format	Color
R _Y B	223, 135, 188
Decimal	14649276
CIE Lab	67.01, 40.86, -13.33
CIE LCh	67, 42.976, 341.930
Yxy	36.6468, 0.3518, 0.2676
Android (android.graphics.Color)	4292839356 (0xFFDF87BC)
YUV	167.3540, 10.1785, 48.8015
Hunter-Lab	60.5366, 36.1190, -8.6728

Details

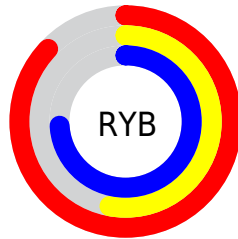
The Yxy color **36.6468, 0.3518, 0.2676** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.8364, 0.2872, 0.4004**, and the grayscale version is **38.7627, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6186, 0.3238, 0.2754**, and **16.0428, 0.3622, 0.2505** is the 20% darker color. If you saturate the color by 10%, you get **30.6931, 0.3660, 0.2527**, and if you desaturate by 10%, it is **43.9307, 0.3394, 0.2834**.

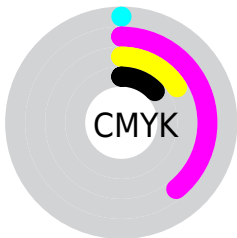
Distribution



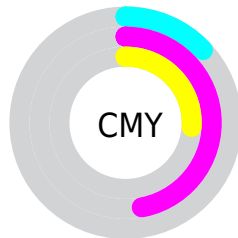
- Red (87%)
- Green (53%)
- Blue (74%)



- Red (87%)
- Yellow (53%)
- Blue (74%)



- Cyan (0%)
- Magenta (39%)
- Yellow (16%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6468, 0.3518, 0.2676 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 36.6468, 0.3518, 0.2676 by changing the saturation by 10% instead.


 36.6468, 0.3518,
0.2676


 36.6468, 0.3518,
0.2676


331.7788, 0.3323,
0.2979


 24.9341, 0.3567,
0.2602


 70.0292, 0.3447,
0.2785

 16.0280, 0.3629,
0.2508


 92.4678, 0.3421,
0.2826

 9.5440, 0.3711,
0.2384


 119.2504, 0.3398,
0.2861

 5.0977, 0.3826,
0.2215

150.7616, 0.3379,
0.2891

 2.3047, 0.3995,
0.1971

187.3856, 0.3362,
0.2918

 0.7762, 0.4270,
0.1587

229.5069, 0.3347,


 0.0000, 0.5443,


0.2941


0.0000


277.5098, 0.3334,
0.2961


 0.0000, 0.0000,
0.0000


 36.6468, 0.3518,
0.2676

 36.6468, 0.3518,
0.2676


 30.6931, 0.3660,
0.2527


 43.9307, 0.3394,
0.2834


 25.9821, 0.3820,
0.2397


 52.6149, 0.3288,
0.2994


 22.4236, 0.3994,
0.2298


 62.7710, 0.3199,
0.3149

 19.9131, 0.4177,
0.2241


 74.4638, 0.3124,
0.3298


 18.3268, 0.4361,
0.2235

 87.7543, 0.3061,
0.3437

 17.4604, 0.4541,
0.2278

 93.5747, 0.3010,
0.3430

 17.4215, 0.4550,
0.2280

 94.1182, 0.2961,
0.3339

 94.4306, 0.2935,
0.3289

Harmonies

Analogous

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



36.6468, 0.2858, 0.2386



36.6468, 0.3518, 0.2676



36.6468, 0.4113, 0.3101

Triad

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



36.6468, 0.3518, 0.2676



36.6468, 0.3892, 0.4415



36.6468, 0.1993, 0.2776

Complementary

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



36.6468, 0.3518, 0.2676



60.8364, 0.2872, 0.4004

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.



36.6468, 0.2209, 0.3381



36.6468, 0.3518, 0.2676



36.6468, 0.3287, 0.4445

Square

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



36.6468, 0.3518, 0.2676



36.6468, 0.4315, 0.4068



36.6468, 0.2672, 0.4044



36.6468, 0.2038, 0.2403

Rectangle

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



36.6468, 0.3518, 0.2676



36.6468, 0.4356, 0.3425



36.6468, 0.2672, 0.4044



36.6468, 0.2035, 0.2956

Sweetspot

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



36.6485, 0.3518, 0.2676



81.2476, 0.3221, 0.3109



31.0607, 0.2675, 0.2170



16.9929, 0.3232, 0.3089



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.



36.6485, 0.3518, 0.2676



43.1519, 0.3629, 0.2557



35.0693, 0.3998, 0.3170



13.8385, 0.3198, 0.3150



10.2648, 0.4525, 0.2266



0.7290, 0.4267, 0.2125

Inverse Universe

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



36.6485, 0.3518, 0.2676



43.1519, 0.3629, 0.2557



62.7257, 0.2637, 0.3420



13.8385, 0.3198, 0.3150



10.2648, 0.4525, 0.2266



0.7290, 0.4267, 0.2125

Previews

White Background



This preview shows how the Yxy color 36.6468, 0.3518, 0.2676 looks on a white background.

Color Contrast Check

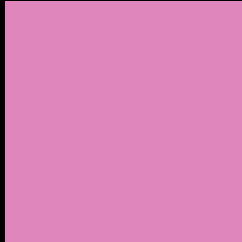
Large Text (above 18pt) WCAG AA × Fail

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 36.6468, 0.3518, 0.2676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

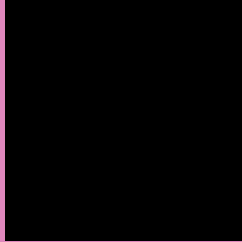
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6468, 0.3518, 0.2676

Background



This preview shows how black text looks on a background with the Yxy color 36.6468, 0.3518, 0.2676.



This preview shows how white text looks on a background with the Yxy color 36.6468, 0.3518, 0.2676.

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

36.6468, 0.3518, 0.2676

Protanopia

37.0692, 0.2698, 0.2689

Deuteranopia

36.8030, 0.3013, 0.2947



Tritanopia

36.6731, 0.3852, 0.3171

Trichromacy



Original Color

36.6468, 0.3518, 0.2676



Protanomaly

36.0450, 0.2959, 0.2673



Deuteranomaly

36.1343, 0.3188, 0.2834



Tritanomaly

36.3975, 0.3728, 0.2980

Monochromacy



Original Color

36.6468, 0.3518, 0.2676



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.1026, 0.3257, 0.3025

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6468, 0.3518, 0.2676 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(223, 135, 188)` looks like.

```
.text, #text, p{  
    color:rgb(223, 135, 188)  
}
```

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(223, 135, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 135, 188) }
```

Border

The CSS property to change the border of an element to Yxy 36.6468, 0.3518, 0.2676 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(223, 135, 188) }
```

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

```
.border{ border-color:rgb(223, 135, 188) }
```

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

Here you see how a box with a 4 pixel rgb(223, 135, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 135, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 135, 188);  
box-shadow:4px 4px 4px 4px rgb(223, 135,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6468, 0.3518, 0.2676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 135, 188) }
```

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

```
.background{ background-color: rgb(223,  
135, 188) }
```

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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