

Converting Colors

$Y_{xy}(36.9801, 0.3475, 0.2736)$

Have a look what the booklet for
Yxy(36.9801, 0.3475, 0.2736)
contains.

Yxy(36.9158, 0.3481, 0.2734)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.9158, 0.3481, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	DA8BBA
RGB	218, 139, 186
RGB Percent	85%, 55%, 73%
CMY	0.1452, 0.4548, 0.2706
CMYK	0.00, 0.36, 0.15, 0.15
HSL	324°, 52%, 70%
HSV	324°, 36%, 85%
XYZ	47.0022, 36.9158, 51.1069
YIQ	167.9790, 31.9970, 31.3650

Conversions

Conversions Part 2

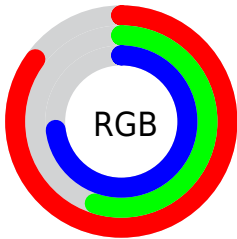
Format	Color
R _Y B	218, 139, 186
Decimal	14322618
CIE Lab	67.21, 36.71, -11.96
CIE LCh	67, 38.612, 341.958
Yxy	36.9158, 0.3481, 0.2734
Android (android.graphics.Color)	4292512698 (0xFFDA8BBA)
YUV	167.9790, 8.8844, 43.8684
Hunter-Lab	60.7584, 31.7589, -7.3409

Details

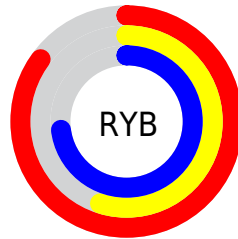
The Yxy color **36.9158, 0.3481, 0.2734** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.5561, 0.2887, 0.3925**, and the grayscale version is **39.0923, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.2544, 0.3250, 0.2813**, and **16.1912, 0.3586, 0.2576** is the 20% darker color. If you saturate the color by 10%, you get **30.8572, 0.3620, 0.2583**, and if you desaturate by 10%, it is **44.2593, 0.3361, 0.2891**.

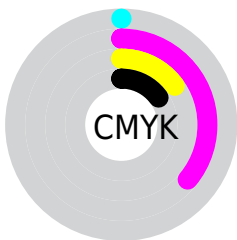
Distribution



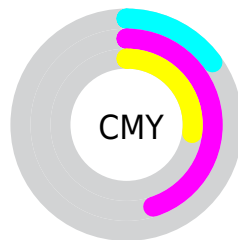
- Red (85%)
- Green (55%)
- Blue (73%)



- Red (85%)
- Yellow (55%)
- Blue (73%)



- Cyan (0%)
- Magenta (36%)
- Yellow (15%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9158, 0.3481, 0.2734 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 36.9158, 0.3481, 0.2734 by changing the saturation by 10% instead.


 36.9158, 0.3481,
0.2734


 36.9158, 0.3481,
0.2734

332.9458, 0.3304,
0.3010

 25.1423, 0.3525,
0.2666

 70.4433, 0.3416,
0.2834

 16.1831, 0.3582,
0.2579

 92.9660, 0.3392,
0.2871

 9.6538, 0.3658,
0.2465


 119.8407, 0.3372,
0.2903

 5.1700, 0.3764,
0.2308

151.4516, 0.3354,
0.2930

 2.3474, 0.3921,
0.2080

188.1832, 0.3339,
0.2954

 0.7986, 0.4179,
0.1715

230.4198, 0.3326,


 0.0000, 0.5466,


0.2975

0.0000


278.5459, 0.3314,
0.2993

 0.0000, 0.0000,
0.0000


 36.9158, 0.3481,
0.2734


 36.9158, 0.3481,
0.2734


 30.8572, 0.3620,
0.2583

 44.2593, 0.3361,
0.2891


 26.0028, 0.3777,
0.2447


 52.9520, 0.3259,
0.3048


 22.2708, 0.3950,
0.2338

 63.0600, 0.3173,
0.3200

 19.5667, 0.4135,
0.2267


 74.6434, 0.3102,
0.3343


 17.7805, 0.4324,
0.2245

 87.7589, 0.3042,
0.3477

 16.7746, 0.4509,
0.2276

 92.6494, 0.2992,
0.3455

 16.5048, 0.4578,
0.2296

 93.1837, 0.2944,
0.3363

 93.6404, 0.2906,
0.3289

Harmonies

Analogous

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



36.9158, 0.2889, 0.2467



36.9158, 0.3481, 0.2734



36.9158, 0.4011, 0.3125

Triad

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



36.9158, 0.3481, 0.2734



36.9158, 0.3823, 0.4304



36.9158, 0.2097, 0.2834

Complementary

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



36.9158, 0.3481, 0.2734



58.5561, 0.2887, 0.3925

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.



36.9158, 0.2298, 0.3376



36.9158, 0.3481, 0.2734



36.9158, 0.3279, 0.4316

Square

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



36.9158, 0.3481, 0.2734



36.9158, 0.4199, 0.4004



36.9158, 0.2721, 0.3959



36.9158, 0.2138, 0.2490

Rectangle

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



36.9158, 0.3481, 0.2734



36.9158, 0.4228, 0.3422



36.9158, 0.2721, 0.3959



36.9158, 0.2137, 0.2997

Sweetspot

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



36.9175, 0.3481, 0.2734



82.6809, 0.3213, 0.3127



32.1449, 0.2733, 0.2276



17.2784, 0.3225, 0.3106



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.



36.9175, 0.3481, 0.2734



46.3016, 0.3578, 0.2625



35.4759, 0.3910, 0.3196



13.1810, 0.3199, 0.3152



9.9133, 0.4552, 0.2282



0.6591, 0.4275, 0.2129

Inverse Universe

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



36.9175, 0.3481, 0.2734



46.3016, 0.3578, 0.2625



60.2734, 0.2664, 0.3390



13.1810, 0.3199, 0.3152



9.9133, 0.4552, 0.2282



0.6591, 0.4275, 0.2129

Previews

White Background



This preview shows how the Yxy color 36.9158, 0.3481, 0.2734 looks on a white background.

Color Contrast Check

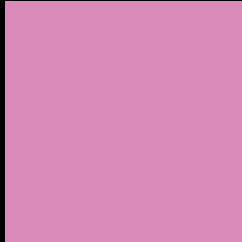
Large Text (above 18pt) WCAG AA × Fail

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 36.9158, 0.3481, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

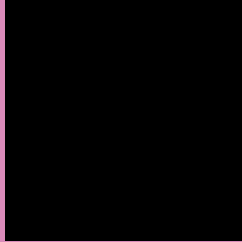
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9158, 0.3481, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 36.9158, 0.3481, 0.2734.



This preview shows how white text looks on a background with the Yxy color 36.9158, 0.3481, 0.2734.

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

36.9158, 0.3481, 0.2734

Protanopia

37.0735, 0.2743, 0.2741

Deuteranopia

37.1769, 0.3039, 0.2988



Tritanopia

36.9472, 0.3746, 0.3156

Trichromacy



Original Color

36.9158, 0.3481, 0.2734



Protanomaly

36.5617, 0.2985, 0.2736



Deuteranomaly

36.5667, 0.3195, 0.2884



Tritanomaly

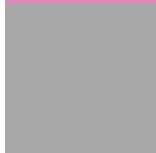
36.8820, 0.3643, 0.2998

Monochromacy



Original Color

36.9158, 0.3481, 0.2734



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

37.6482, 0.3245, 0.3051

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9158, 0.3481, 0.2734 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, 139, 186)` looks like.

```
.text, #text, p{  
    color:rgb(218, 139, 186)  
}
```

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, 139, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 139, 186) }
```

Border

The CSS property to change the border of an element to Yxy 36.9158, 0.3481, 0.2734 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, 139, 186) }
```

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

```
.border{ border-color:rgb(218, 139, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 139, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 139, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 139, 186);  
box-shadow:4px 4px 4px 4px rgb(218, 139,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9158, 0.3481, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 139, 186) }
```

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

```
.background{ background-color: rgb(218,  
139, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor