

Converting Colors

$Y_{xy}(36.7894, 0.3432, 0.2647)$

Have a look what the booklet for
Yxy(36.7894, 0.3432, 0.2647)
contains.

Yxy(36.7572, 0.3433, 0.2647)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.7572, 0.3433, 0.2647)

Conversions

Conversions Part 1

Format	Color
Hex	DB89C0
RGB	219, 137, 192
RGB Percent	86%, 54%, 75%
CMY	0.1412, 0.4627, 0.2472
CMYK	0.00, 0.37, 0.12, 0.14
HSL	320°, 53%, 70%
HSV	320°, 37%, 86%
XYZ	47.6719, 36.7572, 54.4345
YIQ	167.7880, 31.2170, 34.4890

Conversions

Conversions Part 2

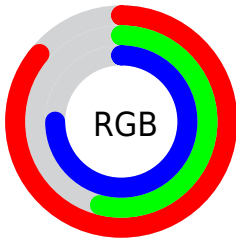
Format	Color
R_{YB}	219, 137, 192
Decimal	14387648
CIE _{Lab}	67.09, 39.10, -15.47
CIE _{LCh}	67, 42.045, 338.416
Yxy	36.7572, 0.3433, 0.2647
Android (android.graphics.Color)	4292577728 (0xFFDB89C0)
YUV	167.7880, 11.9365, 44.9129
Hunter-Lab	60.6277, 34.2570, -10.7941

Details

The Yxy color **36.7572, 0.3433, 0.2647** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **58.6665, 0.2916, 0.4039**, and the grayscale version is **38.9783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7366, 0.3207, 0.2737**, and **16.1185, 0.3529, 0.2480** is the 20% darker color. If you saturate the color by 10%, you get **30.8391, 0.3546, 0.2481**, and if you desaturate by 10%, it is **43.9580, 0.3333, 0.2822**.

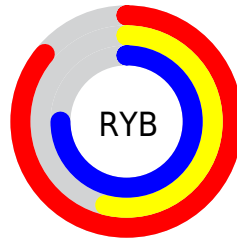
Distribution



Red (86%)

Green (54%)

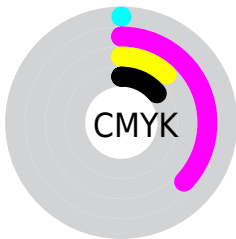
Blue (75%)



Red (86%)

Yellow (54%)

Blue (75%)

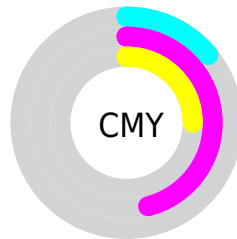


Cyan (0%)

Magenta (37%)

Yellow (12%)

Black (14%)



Cyan (14%)


Magenta (46%)

Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7572, 0.3433, 0.2647 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 36.7572, 0.3433, 0.2647 by changing the saturation by 10% instead.


 36.7572, 0.3433,
0.2647

 36.7572, 0.3433,
0.2647


332.2581, 0.3283,
0.2963

 25.0196, 0.3470,
0.2570


 70.1992, 0.3379,
0.2760

 16.0916, 0.3516,
0.2472


 92.6723, 0.3359,
0.2803

 9.5890, 0.3577,
0.2345


 119.4928, 0.3341,
0.2840

 5.1273, 0.3660,
0.2171

151.0449, 0.3326,
0.2871

 2.3222, 0.3779,
0.1922

187.7131, 0.3313,
0.2899

 0.7854, 0.3964,
0.1537

229.8818, 0.3302,

 0.0000, 0.4701,

0.2923

0.0000

277.9353, 0.3292,
0.2944

0.0000, 0.0000,
0.0000

36.7572, 0.3433,
0.2647

36.7572, 0.3433,
0.2647

30.8391, 0.3546,
0.2481

43.9580, 0.3333,
0.2822

26.1214, 0.3673,
0.2332

52.5072, 0.3247,
0.2997

22.5204, 0.3809,
0.2213


62.4718, 0.3174,
0.3168


19.9392, 0.3953,
0.2133

73.9131, 0.3112,
0.3331

18.2640, 0.4097,
0.2101


86.8887, 0.3061,
0.3484

 17.3413, 0.4238,
0.2119

 92.5960, 0.3018,
0.3493

 17.1612, 0.4274,
0.2128

 93.0226, 0.2979,
0.3418

 93.4663, 0.2940,
0.3343

 93.8009, 0.2911,
0.3289

Harmonies

Analogous

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



36.7572, 0.2795, 0.2381



36.7572, 0.3433, 0.2647



36.7572, 0.4034, 0.3053

Triad

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



36.7572, 0.3433, 0.2647



36.7572, 0.3938, 0.4364



36.7572, 0.2027, 0.2848

Complementary

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



36.7572, 0.3433, 0.2647



58.6665, 0.2916, 0.4039

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.



36.7572, 0.2270, 0.3458



36.7572, 0.3433, 0.2647



36.7572, 0.3359, 0.4436

Square

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



36.7572, 0.3433, 0.2647



36.7572, 0.4320, 0.4004



36.7572, 0.2748, 0.4090



36.7572, 0.2042, 0.2452

Rectangle

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



36.7572, 0.3433, 0.2647



36.7572, 0.4298, 0.3367



36.7572, 0.2748, 0.4090



36.7572, 0.2079, 0.3033

Sweetspot

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



36.7589, 0.3433, 0.2647



82.8094, 0.3199, 0.3106



30.7920, 0.2657, 0.2221



17.3091, 0.3209, 0.3083



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.



36.7589, 0.3433, 0.2647



45.1078, 0.3522, 0.2514



35.2227, 0.3870, 0.3110



13.1980, 0.3188, 0.3135



10.1963, 0.4254, 0.2117



0.6762, 0.4041, 0.2000

Inverse Universe

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



36.7589, 0.3433, 0.2647



45.1078, 0.3522, 0.2514



60.3430, 0.2688, 0.3484



13.1980, 0.3188, 0.3135



10.1963, 0.4254, 0.2117



0.6762, 0.4041, 0.2000

Previews

White Background



This preview shows how the Yxy color 36.7572, 0.3433, 0.2647 looks on a white background.

Color Contrast Check

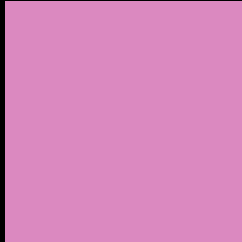
Large Text (above 18pt) WCAG AA × Fail

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 36.7572, 0.3433, 0.2647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

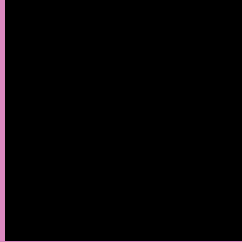
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7572, 0.3433, 0.2647

Background



This preview shows how black text looks on a background with the Yxy color 36.7572, 0.3433, 0.2647.



This preview shows how white text looks on a background with the Yxy color 36.7572, 0.3433, 0.2647.

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

36.7572, 0.3433, 0.2647

Protanopia

37.1195, 0.2670, 0.2651

Deuteranopia

37.0973, 0.2961, 0.2906



Tritanopia

36.7601, 0.3771, 0.3156

Trichromacy



Original Color

36.7572, 0.3433, 0.2647

Protanomaly

36.3244, 0.2908, 0.2636

Deuteranomaly

36.6954, 0.3130, 0.2808

Tritanomaly

36.4758, 0.3648, 0.2963

Monochromacy



Original Color

36.7572, 0.3433, 0.2647

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

37.8531, 0.3236, 0.3026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7572, 0.3433, 0.2647 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(219, 137, 192)` looks like.

```
.text, #text, p{  
    color:rgb(219, 137, 192)  
}
```

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(219, 137, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 137, 192) }
```

Border

The CSS property to change the border of an element to Yxy 36.7572, 0.3433, 0.2647 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(219, 137, 192) }
```

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

```
.border{ border-color:rgb(219, 137, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 137, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 137, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 137, 192);  
box-shadow:4px 4px 4px 4px rgb(219, 137,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7572, 0.3433, 0.2647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 137, 192) }
```

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

```
.background{ background-color: rgb(219,  
137, 192) }
```

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