

# Converting Colors

$Y_{xy}(36.6304, 0.3193, 0.2425)$

Have a look what the booklet for  
Yxy(36.6304, 0.3193, 0.2425)  
contains.

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# Color

**Yxy(36.6076, 0.3197, 0.2424)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D688D3
RGB	214, 136, 211
RGB Percent	84%, 53%, 83%
CMY	0.1609, 0.4665, 0.1726
CMYK	0.00, 0.36, 0.01, 0.16
HSL	302°, 49%, 69%
HSV	302°, 36%, 84%
XYZ	48.2816, 36.6076, 66.1323
YIQ	167.8720, 22.4130, 39.8610

# Conversions

## Conversions Part 2

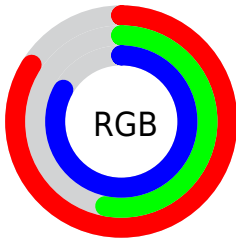
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">214, 136, 211</a>
Decimal	<a href="#">14059731</a>
CIELab	<a href="#">66.98, 41.27, -26.30</a>
CIElCh	<a href="#">67, 48.939, 327.489</a>
Yxy	<a href="#">36.6076, 0.3197, 0.2424</a>
Android (android.graphics.Color)	<a href="#">4292249811 (0xFFD688D3)</a>
YUV	<a href="#">167.8720, 21.2621, 40.4543</a>
Hunter-Lab	<a href="#">60.5042, 36.5582, -22.4522</a>

# Details

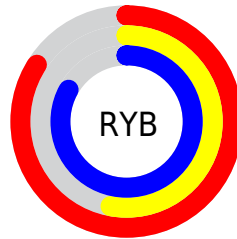
The Yxy color **36.6076, 0.3197, 0.2424** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **55.1733, 0.3058, 0.4342**, and the grayscale version is **38.9788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **16.0100, 0.3206, 0.2205** is the 20% darker color. If you saturate the color by 10%, you get **31.1295, 0.3218, 0.2203**, and if you desaturate by 10%, it is **43.2921, 0.3176, 0.2660**.

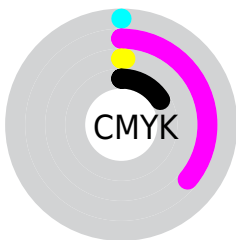
# Distribution



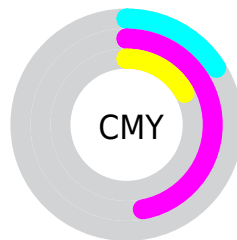
- Red (84%)
- Green (53%)
- Blue (83%)



- Red (84%)
- Yellow (53%)
- Blue (83%)



- Cyan (0%)
- Magenta (36%)
- Yellow (1%)
- Black (16%)



- Cyan (16%)
- Magenta (47%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.6076, 0.3197, 0.2424 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 36.6076, 0.3197, 0.2424 by changing the saturation by 10% instead.





 36.6076, 0.3197,  
0.2424


 36.6076, 0.3197,  
0.2424


331.6085, 0.3174,  
0.2841

 24.9038, 0.3199,  
0.2326


 69.9689, 0.3191,  
0.2571

 16.0054, 0.3201,  
0.2202


 92.3951, 0.3188,  
0.2628

 9.5280, 0.3199,  
0.2045


 119.1643, 0.3185,  
0.2676

 5.0871, 0.3191,  
0.1836

150.6609, 0.3183,  
0.2718

 2.2985, 0.3166,  
0.1551

187.2692, 0.3180,  
0.2755

 0.7729, 0.3102,  
0.1141

229.3737, 0.3178,

 0.0000, 0.3052,

0.2787

0.0000

277.3586, 0.3176,  
0.2815

0.0000, 0.0000,  
0.0000

36.6076, 0.3197,  
0.2424

36.6076, 0.3197,  
0.2424

31.1295, 0.3218,  
0.2203

43.2921, 0.3176,  
0.2660

26.7811, 0.3238,  
0.2007

51.2441, 0.3157,  
0.2901

23.4842, 0.3258,  
0.1845


60.5264, 0.3138,  
0.3140


21.1489, 0.3275,  
0.1722

71.1964, 0.3121,  
0.3372

19.6703, 0.3291,  
0.1643

83.3078, 0.3106,  
0.3591


 18.9152, 0.3304,  
0.1604

 90.7619, 0.3096,  
0.3704

 18.7347, 0.3308,  
0.1596

 90.8044, 0.3091,  
0.3695

 90.8470, 0.3087,  
0.3686

 90.8899, 0.3082,  
0.3677

# Harmonies

## Analogous

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



36.6076, 0.2508, 0.2196



36.6076, 0.3197, 0.2424



36.6076, 0.3950, 0.2829

# Triad

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



36.6076, 0.3197, 0.2424



36.6076, 0.4247, 0.4389



36.6076, 0.1933, 0.2999

# Complementary

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



36.6076, 0.3197, 0.2424



55.1733, 0.3058, 0.4342

# 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.



36.6076, 0.2306, 0.3771



36.6076, 0.3197, 0.2424



36.6076, 0.3636, 0.4652

# Square

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



36.6076, 0.3197, 0.2424



36.6076, 0.4579, 0.3894



36.6076, 0.2924, 0.4445



36.6076, 0.1850, 0.2448



# Rectangle

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



36.6076, 0.3197, 0.2424



36.6076, 0.4346, 0.3165



36.6076, 0.2924, 0.4445



36.6076, 0.2025, 0.3241

# Sweetspot

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



36.6092, 0.3197, 0.2424



83.3219, 0.3147, 0.3029



27.9276, 0.2487, 0.2203



17.4318, 0.3149, 0.2996



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.



36.6092, 0.3197, 0.2424



47.7914, 0.3214, 0.2245



34.9012, 0.3591, 0.2848



12.6241, 0.3144, 0.3069



11.3326, 0.3307, 0.1595



0.6861, 0.3288, 0.1585



# Inverse Universe

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



36.6092, 0.3197, 0.2424



47.7914, 0.3214, 0.2245



56.5068, 0.2826, 0.3785



12.6241, 0.3144, 0.3069



11.3326, 0.3307, 0.1595



0.6861, 0.3288, 0.1585



# Previews

## White Background



This preview shows how the Yxy color 36.6076, 0.3197, 0.2424 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

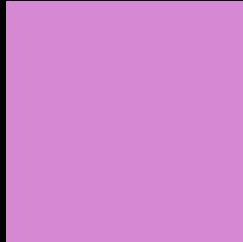
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.6076, 0.3197, 0.2424 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

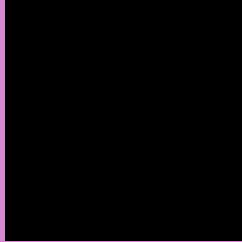
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 36.6076, 0.3197, 0.2424**

## Background



This preview shows how black text looks on a background with the Yxy color 36.6076, 0.3197, 0.2424.



This preview shows how white text looks on a background with the Yxy color 36.6076, 0.3197, 0.2424.

# 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

36.6076, 0.3197, 0.2424

### Protanopia

36.9537, 0.2462, 0.2382

### Deuteranopia

36.7659, 0.2728, 0.2666



## Tritanopia

36.6015, 0.3646, 0.3152

# Trichromacy



## Original Color

36.6076, 0.3197, 0.2424



## Protanomaly

36.1090, 0.2687, 0.2384



## Deuteranomaly

36.1523, 0.2885, 0.2556



## Tritanomaly

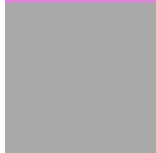
36.5209, 0.3487, 0.2872

# Monochromacy



## Original Color

36.6076, 0.3197, 0.2424



## Achromatopsia

39.1572, 0.3127, 0.3290



## Achromatomaly

37.5519, 0.3154, 0.2921

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.6076, 0.3197, 0.2424 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(214, 136, 211)` looks like.

```
.text, #text, p{  
    color:rgb(214, 136, 211)  
}
```

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(214, 136, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 136, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 36.6076, 0.3197, 0.2424 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(214, 136, 211) }
```

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

```
.border{ border-color:rgb(214, 136, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 136, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 136, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 136, 211);  
box-shadow:4px 4px 4px 4px rgb(214, 136,  
211) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.6076, 0.3197, 0.2424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 136, 211) }
```

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

```
.background{ background-color: rgb(214,  
136, 211) }
```

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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