

Converting Colors

$Y_{xy}(34.9781, 0.3113, 0.2335)$

Have a look what the booklet for
Yxy(34.9781, 0.3113, 0.2335)
contains.

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Color

Yxy(34.7675, 0.3113, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	D084D6
RGB	208, 132, 214
RGB Percent	82%, 52%, 84%
CMY	0.1844, 0.4822, 0.1609
CMYK	0.03, 0.38, 0.00, 0.16
HSL	296°, 50%, 68%
HSV	296°, 38%, 84%
XYZ	46.3914, 34.7675, 67.8659
YIQ	164.0720, 18.9740, 41.6140

Conversions

Conversions Part 2

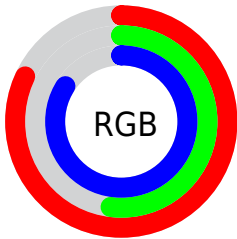
Format	Color
R _Y B	208, 132, 214
Decimal	13665494
CIE Lab	65.57, 42.09, -30.21
CIE LCh	66, 51.809, 324.333
Yxy	34.7675, 0.3113, 0.2333
Android (android.graphics.Color)	4291855574 (0xFFD084D6)
YUV	164.0720, 24.6145, 38.5249
Hunter-Lab	58.9640, 37.2526, -26.9664

Details

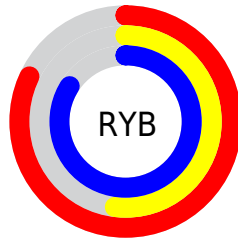
The Yxy color **34.7675, 0.3113, 0.2333** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **55.1527, 0.3113, 0.4437**, and the grayscale version is **37.0357, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.5978, 0.3159, 0.2614**, and **14.9159, 0.3087, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **29.3212, 0.3104, 0.2100**, and if you desaturate by 10%, it is **41.4093, 0.3120, 0.2582**.

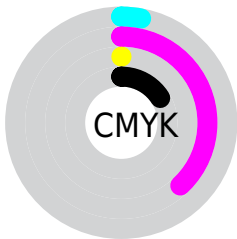
Distribution



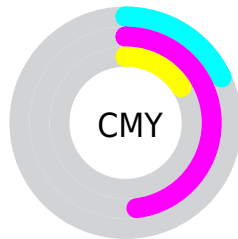
- Red (82%)
- Green (52%)
- Blue (84%)



- Red (82%)
- Yellow (52%)
- Blue (84%)



- Cyan (3%)
- Magenta (38%)
- Yellow (0%)
- Black (16%)





- Cyan (18%)
- Magenta (48%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7675, 0.3113, 0.2333 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 34.7675, 0.3113, 0.2333 by changing the saturation by 10% instead.


 34.7675, 0.3113,
0.2333


 34.7675, 0.3113,
0.2333


323.5409, 0.3135,
0.2793


 23.4838, 0.3103,
0.2225


 67.1254, 0.3124,
0.2496

 14.9512, 0.3089,
0.2089


 88.9685, 0.3127,
0.2558

 8.7851, 0.3065,
0.1917


 115.1001, 0.3130,
0.2612

 4.6013, 0.3025,
0.1690

145.9047, 0.3131,
0.2658

 2.0153, 0.2952,
0.1384

181.7667, 0.3133,
0.2698

 0.6163, 0.2814,
0.0926

223.0705, 0.3134,


 0.0000, 0.2463,


0.2734


0.0000


270.2004, 0.3134,
0.2765

 0.0000, 0.0000,
0.0000

 34.7675, 0.3113,
0.2333


 34.7675, 0.3113,
0.2333

 29.3212, 0.3104,
0.2100


 41.4093, 0.3120,
0.2582


 24.9924, 0.3092,
0.1892


 49.3090, 0.3124,
0.2836


 21.7015, 0.3079,
0.1718


 58.5302, 0.3126,
0.3087


 19.3561, 0.3063,
0.1585


 69.1308, 0.3127,
0.3331

 17.8474, 0.3045,
0.1496

 81.1653, 0.3127,
0.3561


 17.0145, 0.3027,
0.1446

 91.1833, 0.3128,
0.3722

 16.8990, 0.3024,
0.1440

 91.4254, 0.3138,
0.3721

 91.6697, 0.3147,
0.3720

 91.9163, 0.3157,
0.3718

Harmonies

Analogous

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



34.7675, 0.2399, 0.2115



34.7675, 0.3113, 0.2333



34.7675, 0.3931, 0.2744

Triad

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



34.7675, 0.3113, 0.2333



34.7675, 0.4374, 0.4407



34.7675, 0.1880, 0.3048

Complementary

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



34.7675, 0.3113, 0.2333



55.1527, 0.3113, 0.4437

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.



34.7675, 0.2303, 0.3899



34.7675, 0.3113, 0.2333



34.7675, 0.3738, 0.4746

Square

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



34.7675, 0.3113, 0.2333



34.7675, 0.4696, 0.3858



34.7675, 0.2980, 0.4597



34.7675, 0.1764, 0.2431

Rectangle

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



34.7675, 0.3113, 0.2333



34.7675, 0.4384, 0.3090



34.7675, 0.2980, 0.4597



34.7675, 0.1987, 0.3318

Sweetspot

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



34.7690, 0.3113, 0.2333



83.0030, 0.3126, 0.3017



28.1853, 0.2441, 0.2229



17.3552, 0.3126, 0.2983



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.



34.7690, 0.3113, 0.2333



44.9767, 0.3106, 0.2141



34.0907, 0.3518, 0.2714



12.5842, 0.3126, 0.3059



10.2369, 0.3027, 0.1441



0.6316, 0.3060, 0.1460

Inverse Universe

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



32.6383, 0.4000, 0.3218



41.4356, 0.4291, 0.3204



55.7471, 0.2870, 0.3954



12.4354, 0.3280, 0.3273



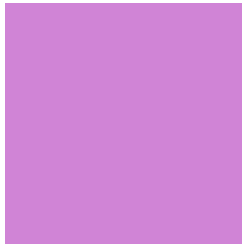
8.6689, 0.6315, 0.3253



0.5282, 0.6065, 0.3115

Previews

White Background



This preview shows how the Yxy color 34.7675, 0.3113, 0.2333 looks on a white background.

Color Contrast Check

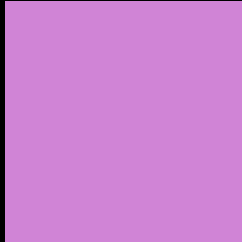
Large Text (above 18pt) WCAG AA × Fail

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 34.7675, 0.3113, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

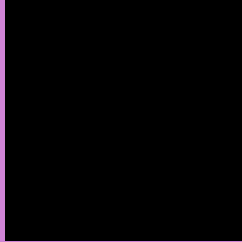
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7675, 0.3113, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 34.7675, 0.3113, 0.2333.



This preview shows how white text looks on a background with the Yxy color 34.7675, 0.3113, 0.2333.

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

34.7675, 0.3113, 0.2333

Protanopia

35.1228, 0.2377, 0.2273

Deuteranopia

35.0133, 0.2631, 0.2575



Tritanopia

34.5924, 0.3613, 0.3148

Trichromacy



Original Color

34.7675, 0.3113, 0.2333



Protanomaly

34.3029, 0.2598, 0.2276



Deuteranomaly

34.4290, 0.2789, 0.2467



Tritanomaly

34.5873, 0.3430, 0.2836

Monochromacy



Original Color

34.7675, 0.3113, 0.2333



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.5372, 0.3127, 0.2886

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7675, 0.3113, 0.2333 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(208, 132, 214)` looks like.

```
.text, #text, p{  
    color:rgb(208, 132, 214)  
}
```

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(208, 132, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 132, 214) }
```

Border

The CSS property to change the border of an element to Yxy 34.7675, 0.3113, 0.2333 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(208, 132, 214) }
```

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

```
.border{ border-color:rgb(208, 132, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 132, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 132, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 132, 214);  
box-shadow:4px 4px 4px 4px rgb(208, 132,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7675, 0.3113, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 132, 214) }
```

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

```
.background{ background-color: rgb(208,  
132, 214) }
```

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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