

Converting Colors

$Y_{xy}(34.0377, 0.2970, 0.2066)$

Have a look what the booklet for
Yxy(34.0377, 0.2970, 0.2066)
contains.

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Color

Yxy(33.9553, 0.2965, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	D37BEA
RGB	211, 123, 234
RGB Percent	83%, 48%, 92%
CMY	0.1725, 0.5177, 0.0823
CMYK	0.10, 0.47, 0.00, 0.08
HSL	288°, 73%, 70%
HSV	288°, 47%, 92%
XYZ	48.8015, 33.9553, 81.8351
YIQ	161.9660, 16.8170, 53.1770

Conversions

Conversions Part 2

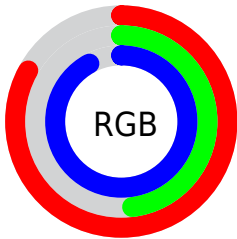
Format	Color
R_{YB}	211, 123, 234
Decimal	13859818
CIE _{Lab}	64.93, 51.55, -42.31
CIE _{LCh}	65, 66.692, 320.623
Yxy	33.9553, 0.2965, 0.2063
Android (android.graphics.Color)	4292049898 (0xFFD37BEA)
YUV	161.9660, 35.5128, 43.0028
Hunter-Lab	58.2712, 47.5173, -42.4761

Details

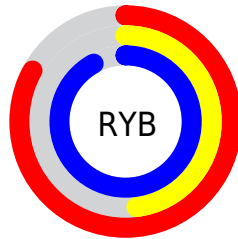
The Yxy color **33.9553, 0.2965, 0.2063** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66.3958, 0.3194, 0.4728**, and the grayscale version is **35.9401, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **14.4647, 0.2883, 0.1771** is the 20% darker color. If you saturate the color by 10%, you get **28.1230, 0.2915, 0.1827**, and if you desaturate by 10%, it is **41.1996, 0.3010, 0.2319**.

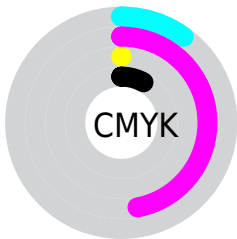
Distribution



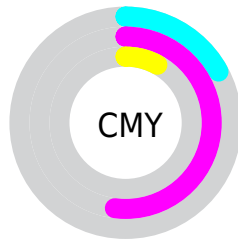
- Red (83%)
- Green (48%)
- Blue (92%)



- Red (83%)
- Yellow (48%)
- Blue (92%)



- Cyan (10%)
- Magenta (47%)
- Yellow (0%)
- Black (8%)





- Cyan (17%)
- Magenta (52%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9553, 0.2965, 0.2063 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 33.9553, 0.2965, 0.2063 by changing the saturation by 10% instead.


 33.9553, 0.2965,
0.2063


 33.9553, 0.2965,
0.2063


319.9327, 0.3070,
0.2637

 22.8593, 0.2933,
0.1933


 65.8642, 0.3008,
0.2262

 14.4896, 0.2889,
0.1775


 87.4458, 0.3023,
0.2339

 8.4620, 0.2826,
0.1579

 113.2913, 0.3034,
0.2406

 4.3920, 0.2732,
0.1332

143.7853, 0.3044,
0.2464

 1.8951, 0.2582,
0.1019

179.3120, 0.3052,
0.2515

 0.5455, 0.2337,
0.0589

220.2559, 0.3059,


 0.0000, 0.1889,


0.2560


0.0000


267.0013, 0.3065,
0.2601

 0.0000, 0.0000,
0.0000


 33.9553, 0.2965,
0.2063


 33.9553, 0.2965,
0.2063

 28.1230, 0.2915,
0.1827


 41.1996, 0.3010,
0.2319


 23.5976, 0.2862,
0.1623


 49.9422, 0.3049,
0.2584


 20.2664, 0.2806,
0.1458


 60.2677, 0.3082,
0.2849


 17.9952, 0.2750,
0.1340

 72.2531, 0.3110,
0.3107

 16.6062, 0.2696,
0.1266

 85.9701, 0.3132,
0.3351

 16.3206, 0.2682,
0.1251

 96.0053, 0.3155,
0.3499

 96.8659, 0.3186,
0.3497

 97.7494, 0.3217,
0.3495

 98.6560, 0.3248,
0.3493

Harmonies

Analogous

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



33.9553, 0.2118, 0.1833



33.9553, 0.2965, 0.2063



33.9553, 0.4031, 0.2525

Triad

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



33.9553, 0.2965, 0.2063



33.9553, 0.4731, 0.4540



33.9553, 0.1612, 0.3065

Complementary

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



33.9553, 0.2965, 0.2063



66.3958, 0.3194, 0.4728

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.



33.9553, 0.2150, 0.4235



33.9553, 0.2965, 0.2063



33.9553, 0.3944, 0.5115

Square

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



33.9553, 0.2965, 0.2063



33.9553, 0.5128, 0.3827



33.9553, 0.3007, 0.5111



33.9553, 0.1452, 0.2252

Rectangle

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



33.9553, 0.2965, 0.2063



33.9553, 0.4660, 0.2925



33.9553, 0.3007, 0.5111



33.9553, 0.1748, 0.3434

Sweetspot

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



33.9567, 0.2965, 0.2063



77.9235, 0.3092, 0.2937



31.0353, 0.2283, 0.2117



16.0290, 0.3086, 0.2881



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.



33.9567, 0.2965, 0.2063



34.2846, 0.2916, 0.1831



35.9510, 0.3493, 0.2427



15.1471, 0.3105, 0.3055



9.2254, 0.2690, 0.1256



0.7640, 0.2766, 0.1297

Inverse Universe

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



33.7356, 0.4155, 0.3033



34.2232, 0.4504, 0.2993



65.4134, 0.2898, 0.4361



15.1051, 0.3260, 0.3241



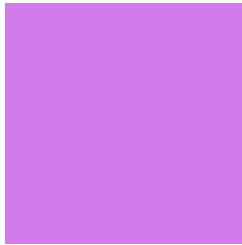
9.9667, 0.6052, 0.3108



0.7963, 0.5675, 0.2900

Previews

White Background



This preview shows how the Yxy color 33.9553, 0.2965, 0.2063 looks on a white background.

Color Contrast Check

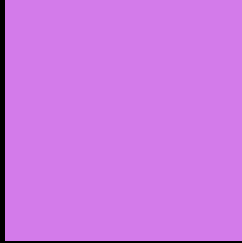
Large Text (above 18pt) WCAG AA × Fail

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 33.9553, 0.2965, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

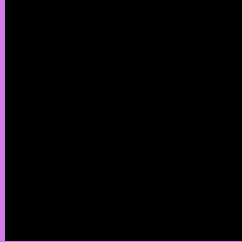
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9553, 0.2965, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 33.9553, 0.2965, 0.2063.

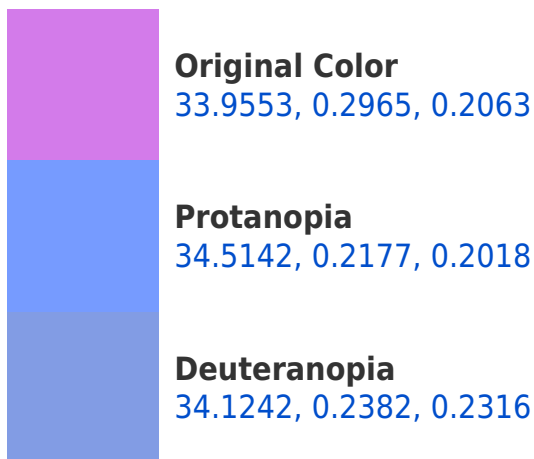


This preview shows how white text looks on a background with the Yxy color 33.9553, 0.2965, 0.2063.

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





Tritanopia

33.9253, 0.3641, 0.3148

Trichromacy



Original Color

33.9553, 0.2965, 0.2063



Protanomaly

33.0357, 0.2399, 0.2004



Deuteranomaly

33.0306, 0.2557, 0.2190



Tritanomaly

33.5427, 0.3386, 0.2704

Monochromacy



Original Color

33.9553, 0.2965, 0.2063



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.5139, 0.3074, 0.2756

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9553, 0.2965, 0.2063 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(211, 123, 234)` looks like.

```
.text, #text, p{  
    color:rgb(211, 123, 234)  
}
```

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(211, 123, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 123, 234) }
```

Border

The CSS property to change the border of an element to Yxy 33.9553, 0.2965, 0.2063 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(211, 123, 234) }
```

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

```
.border{ border-color:rgb(211, 123, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 123, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 123, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 123, 234);  
box-shadow:4px 4px 4px 4px rgb(211, 123,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9553, 0.2965, 0.2063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 123, 234) }
```

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

```
.background{ background-color: rgb(211,  
123, 234) }
```

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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