

Converting Colors

$Y_{xy}(34.7051, 0.3036, 0.2061)$

Have a look what the booklet for
Yxy(34.7051, 0.3036, 0.2061)
contains.

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Color

Yxy(34.7330, 0.3031, 0.2063)

Conversions

Conversions Part 1

Format	Color
Hex	DB79EB
RGB	219, 121, 235
RGB Percent	86%, 47%, 92%
CMY	0.1414, 0.5253, 0.0785
CMYK	0.07, 0.48, 0.00, 0.08
HSL	292°, 74%, 70%
HSV	292°, 48%, 92%
XYZ	51.0304, 34.7330, 82.5982
YIQ	163.2980, 21.8140, 56.2300

Conversions

Conversions Part 2

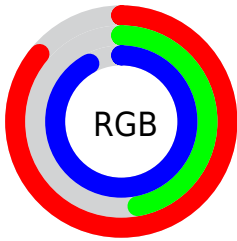
Format	Color
R _Y B	219, 121, 235
Decimal	14383595
CIE Lab	65.54, 54.91, -41.82
CIE LCh	66, 69.024, 322.711
Yxy	34.7330, 0.3031, 0.2063
Android (android.graphics.Color)	4292573675 (0xFFDB79EB)
YUV	163.2980, 35.3491, 48.8507
Hunter-Lab	58.9347, 51.4239, -41.8419

Details

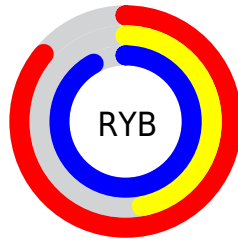
The Yxy color **34.7330, 0.3031, 0.2063** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **66.1145, 0.3147, 0.4785**, and the grayscale version is **36.5998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.5307, 0.3163, 0.2517**, and **14.9504, 0.2974, 0.1775** is the 20% darker color. If you saturate the color by 10%, you get **29.1915, 0.3000, 0.1843**, and if you desaturate by 10%, it is **41.6786, 0.3058, 0.2307**.

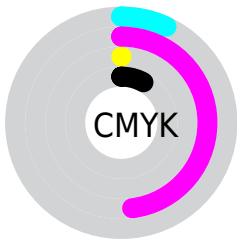
Distribution



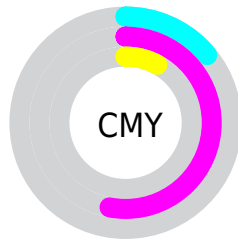
- Red (86%)
- Green (47%)
- Blue (92%)



- Red (86%)
- Yellow (47%)
- Blue (92%)



- Cyan (7%)
- Magenta (48%)
- Yellow (0%)
- Black (8%)




- Cyan (14%)
- Magenta (53%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7330, 0.3031, 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 34.7330, 0.3031, 0.2063 by changing the saturation by 10% instead.


 34.7330, 0.3031,
0.2063


 34.7330, 0.3031,
0.2063


323.3882, 0.3103,
0.2633

 23.4573, 0.3007,
0.1935

 67.0719, 0.3062,
0.2260

 14.9315, 0.2973,
0.1779


 88.9039, 0.3072,
0.2337

 8.7713, 0.2924,
0.1586


 115.0235, 0.3080,
0.2403

 4.5923, 0.2848,
0.1343

145.8150, 0.3087,
0.2461

 2.0101, 0.2723,
0.1035

181.6628, 0.3092,
0.2512

 0.6133, 0.2512,
0.0628

222.9514, 0.3096,


 0.0000, 0.2141,


0.2557


0.0000


270.0650, 0.3100,
0.2597


 0.0000, 0.0000,
0.0000


 34.7330, 0.3031,
0.2063

 34.7330, 0.3031,
0.2063


 29.1915, 0.3000,
0.1843


 41.6786, 0.3058,
0.2307

 24.9468, 0.2966,
0.1656


 50.1164, 0.3082,
0.2564


 21.8834, 0.2930,
0.1510


 60.1322, 0.3101,
0.2825

 19.8633, 0.2893,
0.1410

 71.8043, 0.3117,
0.3081

 18.6864, 0.2856,
0.1351


 85.2056, 0.3129,
0.3326

 18.5393, 0.2850,
0.1344

 95.8317, 0.3141,
0.3489

 96.4123, 0.3162,
0.3488

 97.0034, 0.3183,
0.3487

 97.6051, 0.3204,
0.3486

Harmonies

Analogous

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



34.7330, 0.2143, 0.1811



34.7330, 0.3031, 0.2063



34.7330, 0.4129, 0.2547

Triad

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



34.7330, 0.3031, 0.2063



34.7330, 0.4715, 0.4608



34.7330, 0.1556, 0.2981

Complementary

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



34.7330, 0.3031, 0.2063



66.1145, 0.3147, 0.4785

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.



34.7330, 0.2073, 0.4177



34.7330, 0.3031, 0.2063



34.7330, 0.3890, 0.5185

Square

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



34.7330, 0.3031, 0.2063



34.7330, 0.5165, 0.3879



34.7330, 0.2930, 0.5132



34.7330, 0.1420, 0.2184

Rectangle

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



34.7330, 0.3031, 0.2063



34.7330, 0.4757, 0.2958



34.7330, 0.2930, 0.5132



34.7330, 0.1683, 0.3352

Sweetspot

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



34.7345, 0.3031, 0.2063



76.9697, 0.3107, 0.2913



28.2824, 0.2243, 0.1983



15.8622, 0.3104, 0.2859



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.



34.7345, 0.3031, 0.2063



35.2783, 0.3001, 0.1847



35.2907, 0.3587, 0.2484



15.2000, 0.3115, 0.3056



10.3621, 0.2856, 0.1347



0.8432, 0.2908, 0.1376

Inverse Universe

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



33.1545, 0.4285, 0.3114



33.3528, 0.4670, 0.3090



66.0458, 0.2855, 0.4284



15.0886, 0.3271, 0.3257



9.9021, 0.6210, 0.3195



0.7884, 0.5885, 0.3015

Previews

White Background



This preview shows how the Yxy color 34.7330, 0.3031, 0.2063 looks on a white background.

Color Contrast Check

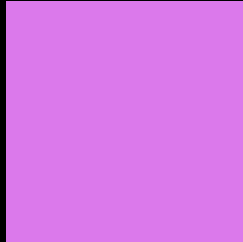
Large Text (above 18pt) WCAG AA × Fail

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 34.7330, 0.3031, 0.2063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

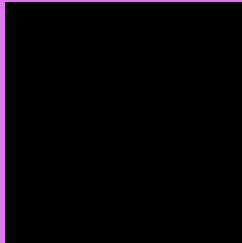
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7330, 0.3031, 0.2063

Background



This preview shows how black text looks on a background with the Yxy color 34.7330, 0.3031, 0.2063.

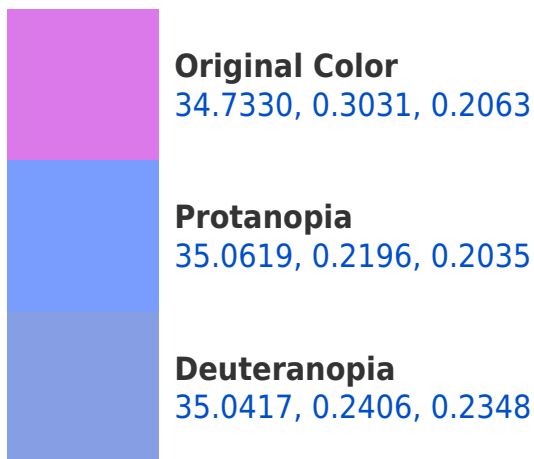


This preview shows how white text looks on a background with the Yxy color 34.7330, 0.3031, 0.2063.

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

34.7266, 0.3740, 0.3152

Trichromacy



Original Color

34.7330, 0.3031, 0.2063



Protanomaly

33.5903, 0.2429, 0.2006



Deuteranomaly

33.9128, 0.2591, 0.2205



Tritanomaly

34.4246, 0.3471, 0.2708

Monochromacy



Original Color

34.7330, 0.3031, 0.2063



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

34.9212, 0.3094, 0.2749

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7330, 0.3031, 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(219, 121, 235)` looks like.

```
.text, #text, p{  
    color:rgb(219, 121, 235)  
}
```

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, 121, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 121, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.7330, 0.3031, 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(219, 121, 235) }
```

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

```
.border{ border-color:rgb(219, 121, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 121, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 121, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 121, 235);  
box-shadow:4px 4px 4px 4px rgb(219, 121,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7330, 0.3031, 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(219, 121, 235) }
```

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

```
.background{ background-color: rgb(219,  
121, 235) }
```

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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