

Converting Colors

$Y_{xy}(34.1199, 0.2870, 0.2088)$

Have a look what the booklet for
Yxy(34.1199, 0.2870, 0.2088)
contains.

Yxy(34.1162, 0.2866, 0.2083)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.1162, 0.2866, 0.2083)

Conversions

Conversions Part 1

Format	Color
Hex	C981EB
RGB	201, 129, 235
RGB Percent	79%, 51%, 92%
CMY	0.2117, 0.4942, 0.0783
CMYK	0.14, 0.45, 0.00, 0.08
HSL	281°, 73%, 71%
HSV	281°, 45%, 92%
XYZ	46.9405, 34.1162, 82.7273
YIQ	162.6120, 8.8860, 48.2300

Conversions

Conversions Part 2

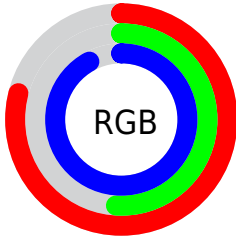
Format	Color
RYB	201, 129, 235
Decimal	13205995
CIELab	65.05, 45.85, -42.75
CIElCh	65, 62.685, 317.003
Yxy	34.1162, 0.2866, 0.2083
Android (android.graphics.Color)	4291396075 (0xFFC981EB)
YUV	162.6120, 35.6873, 33.6663
Hunter-Lab	58.4091, 41.2357, -43.0886

Details

The Yxy color **34.1162, 0.2866, 0.2083** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.8013, 0.3273, 0.4616**, and the grayscale version is **36.2601, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3470, 0.3160, 0.2585**, and **14.5822, 0.2763, 0.1793** is the 20% darker color. If you saturate the color by 10%, you get **27.6035, 0.2786, 0.1822**, and if you desaturate by 10%, it is **42.1066, 0.2939, 0.2358**.

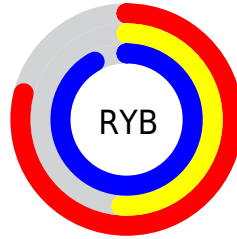
Distribution



Red (79%)

Green (51%)

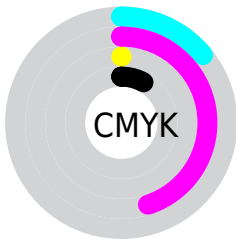
Blue (92%)



Red (79%)

Yellow (51%)

Blue (92%)

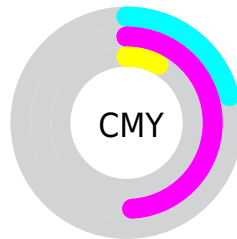


Cyan (14%)

Magenta (45%)

Yellow (0%)

Black (8%)



Cyan (21%)


Magenta (49%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.1162, 0.2866, 0.2083 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 34.1162, 0.2866, 0.2083 by changing the saturation by 10% instead.


 34.1162, 0.2866,
0.2083


 34.1162, 0.2866,
0.2083


320.6499, 0.3019,
0.2650


 22.9829, 0.2823,
0.1954


 66.1143, 0.2926,
0.2280

 14.5809, 0.2765,
0.1797


 87.7479, 0.2947,
0.2356

 8.5258, 0.2684,
0.1601


 113.6504, 0.2964,
0.2423

 4.4332, 0.2567,
0.1353

144.2062, 0.2979,
0.2480

 1.9187, 0.2387,
0.1038

179.7996, 0.2991,
0.2530

 0.5596, 0.2102,
0.0607

220.8151, 0.3002,


 0.0000, 0.1571,


0.2575


0.0000


267.6371, 0.3011,
0.2615


 0.0000, 0.0000,
0.0000

 34.1162, 0.2866,
0.2083


 34.1162, 0.2866,
0.2083


 27.6035, 0.2786,
0.1822


 42.1066, 0.2939,
0.2358

 22.4647, 0.2700,
0.1586


 51.6608, 0.3003,
0.2636


 18.5887, 0.2613,
0.1388


 62.8631, 0.3059,
0.2906


 15.8449, 0.2525,
0.1236

 75.7904, 0.3106,
0.3164


 14.0730, 0.2441,
0.1134

 90.5149, 0.3145,
0.3405

 13.4389, 0.2402,
0.1097

 97.1560, 0.3188,
0.3486

 98.5484, 0.3236,
0.3483

 98.7796, 0.3244,
0.3483

Harmonies

Analogous

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



34.1162, 0.2097, 0.1892



34.1162, 0.2866, 0.2083



34.1162, 0.3859, 0.2504

Triad

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



34.1162, 0.2866, 0.2083



34.1162, 0.4726, 0.4416



34.1162, 0.1734, 0.3209

Complementary

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



34.1162, 0.2866, 0.2083



68.8013, 0.3273, 0.4616

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.



34.1162, 0.2296, 0.4300



34.1162, 0.2866, 0.2083



34.1162, 0.4020, 0.4972

Square

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



34.1162, 0.2866, 0.2083



34.1162, 0.5025, 0.3740



34.1162, 0.3136, 0.5032



34.1162, 0.1532, 0.2385

Rectangle

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



34.1162, 0.2866, 0.2083



34.1162, 0.4474, 0.2879



34.1162, 0.3136, 0.5032



34.1162, 0.1881, 0.3565

Sweetspot

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



34.1176, 0.2866, 0.2083



77.1929, 0.3064, 0.2934



37.3360, 0.2358, 0.2354



15.8499, 0.3053, 0.2877



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.



34.1176, 0.2866, 0.2083



33.8389, 0.2793, 0.1844



38.3917, 0.3345, 0.2348



15.0576, 0.3087, 0.3054



7.5490, 0.2415, 0.1104



0.6441, 0.2527, 0.1166

Inverse Universe

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



36.0075, 0.3937, 0.2909



36.6418, 0.4198, 0.2843



66.1934, 0.2971, 0.4469



15.1337, 0.3242, 0.3215



10.1358, 0.5684, 0.2905



0.8129, 0.5293, 0.2689

Previews

White Background



This preview shows how the Yxy color 34.1162, 0.2866, 0.2083 looks on a white background.

Color Contrast Check

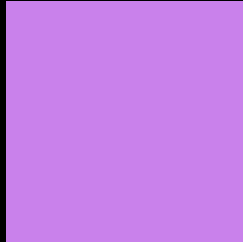
Large Text (above 18pt) WCAG AA × Fail

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 34.1162, 0.2866, 0.2083 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

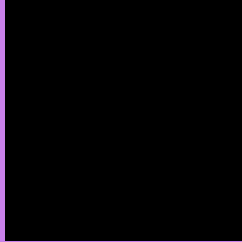
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1162, 0.2866, 0.2083

Background



This preview shows how black text looks on a background with the Yxy color 34.1162, 0.2866, 0.2083.

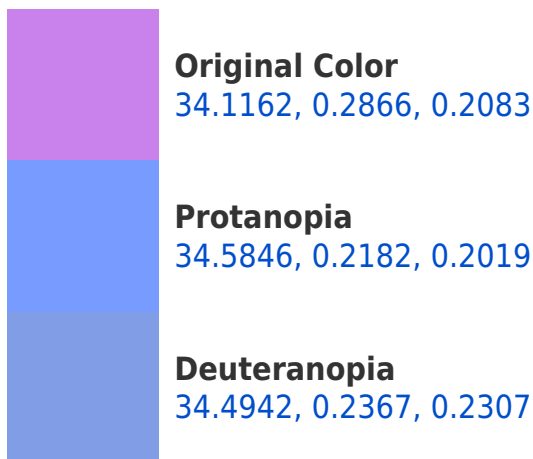


This preview shows how white text looks on a background with the Yxy color 34.1162, 0.2866, 0.2083.

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

34.1549, 0.3458, 0.3142

Trichromacy



Original Color

34.1162, 0.2866, 0.2083



Protanomaly

33.7246, 0.2378, 0.2025



Deuteranomaly

33.6622, 0.2518, 0.2200



Tritanomaly

33.6388, 0.3226, 0.2698

Monochromacy



Original Color

34.1162, 0.2866, 0.2083



Achromatopsia

36.6253, 0.3127, 0.3290



Achromatomaly

35.1545, 0.3036, 0.2780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1162, 0.2866, 0.2083 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(201, 129, 235)` looks like.

```
.text, #text, p{  
    color:rgb(201, 129, 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(201, 129, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 129, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.1162, 0.2866, 0.2083 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(201, 129, 235) }
```

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

```
.border{ border-color:rgb(201, 129, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 129, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 129, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 129, 235);  
box-shadow:4px 4px 4px 4px rgb(201, 129,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.1162, 0.2866, 0.2083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 129, 235) }
```

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

```
.background{ background-color: rgb(201,  
129, 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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