

Converting Colors

$Y_{xy}(34.3003, 0.2702, 0.2182)$

Have a look what the booklet for
Yxy(34.3003, 0.2702, 0.2182)
contains.

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Color

Yxy(34.4597, 0.2703, 0.2183)

Conversions

Conversions Part 1

Format	Color
Hex	B38DE8
RGB	179, 141, 232
RGB Percent	70%, 55%, 91%
CMY	0.2982, 0.4469, 0.0903
CMYK	0.23, 0.39, 0.00, 0.09
HSL	265°, 66%, 73%
HSV	265°, 39%, 91%
XYZ	42.6681, 34.4597, 80.7269
YIQ	162.7360, -6.5630, 36.3570

Conversions

Conversions Part 2

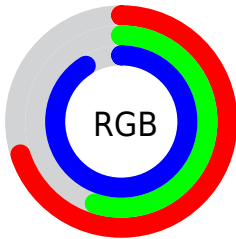
Format	Color
R _Y B	179, 141, 232
Decimal	11767272
CIE Lab	65.33, 32.30, -40.80
CIE LCh	65, 52.040, 308.372
Yxy	34.4597, 0.2703, 0.2183
Android (android.graphics.Color)	4289957352 (0xFFB38DE8)
YUV	162.7360, 34.1472, 14.2635
Hunter-Lab	58.7024, 27.0145, -40.4434

Details

The Yxy color **34.4597, 0.2703, 0.2183** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **71.1002, 0.3431, 0.4362**, and the grayscale version is **36.3328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0831, 0.3014, 0.2677**, and **14.7320, 0.2558, 0.1903** is the 20% darker color. If you saturate the color by 10%, you get **26.7870, 0.2562, 0.1874**, and if you desaturate by 10%, it is **43.7259, 0.2832, 0.2490**.

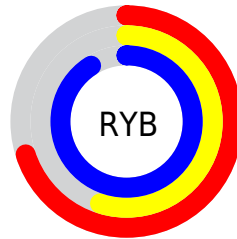
Distribution



Red (70%)

Green (55%)

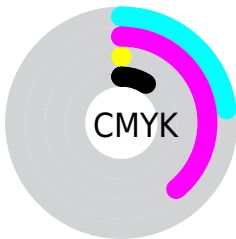
Blue (91%)



Red (70%)

Yellow (55%)

Blue (91%)

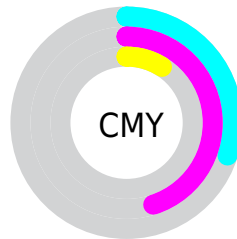


Cyan (23%)

Magenta (39%)

Yellow (0%)

Black (9%)



Cyan (30%)


Magenta (45%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4597, 0.2703, 0.2183 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 34.4597, 0.2703, 0.2183 by changing the saturation by 10% instead.


 34.4597, 0.2703,
0.2183


 34.4597, 0.2703,
0.2183

322.1770, 0.2932,
0.2713

 23.2470, 0.2642,
0.2060


 66.6479, 0.2789,
0.2369

 14.7760, 0.2563,
0.1908


 88.3922, 0.2821,
0.2441

 8.6623, 0.2455,
0.1716


 114.4157, 0.2847,
0.2503

 4.5216, 0.2304,
0.1470

145.1030, 0.2869,
0.2556

 1.9694, 0.2080,
0.1150

180.8384, 0.2888,
0.2603

 0.5896, 0.1736,
0.0702

222.0062, 0.2905,

 0.0000, 0.0903,

0.2644


0.0000

268.9910, 0.2919,
0.2680


 0.0000, 0.0000,
0.0000


 34.4597, 0.2703,
0.2183


 34.4597, 0.2703,
0.2183


 26.7870, 0.2562,
0.1874


 43.7259, 0.2832,
0.2490

 20.6090, 0.2412,
0.1576


 54.6682, 0.2947,
0.2784


 15.8220, 0.2261,
0.1306

 67.3682, 0.3048,
0.3058

 12.3065, 0.2114,
0.1081

 81.9009, 0.3134,
0.3309

 9.9219, 0.1981,
0.0914

 97.0422, 0.3208,
0.3516

■ 8.4498, 0.1867,
0.0805

■ 98.6048, 0.3262,
0.3513

■ 8.3503, 0.1858,
0.0797

Harmonies

Analogous

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



34.4597, 0.2113, 0.2085



34.4597, 0.2703, 0.2183



34.4597, 0.3502, 0.2500

Triad

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



34.4597, 0.2703, 0.2183



34.4597, 0.4606, 0.4130



34.4597, 0.2060, 0.3490

Complementary

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



34.4597, 0.2703, 0.2183



71.1002, 0.3431, 0.4362

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.



34.4597, 0.2636, 0.4331



34.4597, 0.2703, 0.2183



34.4597, 0.4110, 0.4617

Square

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



34.4597, 0.2703, 0.2183



34.4597, 0.4692, 0.3548



34.4597, 0.3388, 0.4764



34.4597, 0.1780, 0.2715

Rectangle

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



34.4597, 0.2703, 0.2183



34.4597, 0.4040, 0.2807



34.4597, 0.3388, 0.4764



34.4597, 0.2222, 0.3785

Sweetspot

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



34.4611, 0.2703, 0.2183



78.7782, 0.3020, 0.2982



50.1101, 0.2512, 0.2806



16.4101, 0.3007, 0.2946



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.



34.4611, 0.2703, 0.2183



34.9186, 0.2590, 0.1934



40.7944, 0.3104, 0.2304



14.1792, 0.3045, 0.3052



4.7070, 0.1875, 0.0806



0.4013, 0.2039, 0.0897

Inverse Universe

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



40.1083, 0.3534, 0.2697



43.0392, 0.3653, 0.2579



65.9759, 0.3118, 0.4474



14.5083, 0.3202, 0.3154



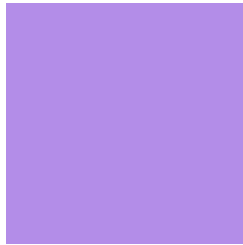
10.5254, 0.4606, 0.2311



0.7962, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 34.4597, 0.2703, 0.2183 looks on a white background.

Color Contrast Check

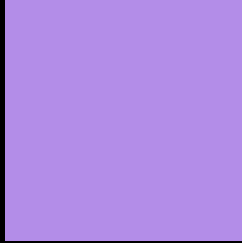
Large Text (above 18pt) WCAG AA × Fail

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 34.4597, 0.2703, 0.2183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

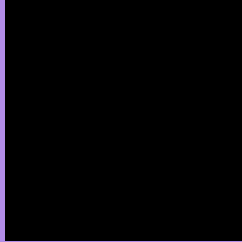
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4597, 0.2703, 0.2183

Background



This preview shows how black text looks on a background with the Yxy color 34.4597, 0.2703, 0.2183.



This preview shows how white text looks on a background with the Yxy color 34.4597, 0.2703, 0.2183.

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

34.4597, 0.2703, 0.2183

Protanopia

34.8206, 0.2280, 0.2147

Deuteranopia

34.5964, 0.2385, 0.2321



Tritanopia

34.4482, 0.3135, 0.3119

Trichromacy



Original Color

34.4597, 0.2703, 0.2183

Protanomaly

34.5355, 0.2412, 0.2155

Deuteranomaly

34.1423, 0.2485, 0.2258

Tritanomaly

34.2322, 0.2962, 0.2732

Monochromacy



Original Color

34.4597, 0.2703, 0.2183

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.5085, 0.2969, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4597, 0.2703, 0.2183 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(179, 141, 232)` looks like.

```
.text, #text, p{  
    color:rgb(179, 141, 232)  
}
```

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(179, 141, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 141, 232) }
```

Border

The CSS property to change the border of an element to Yxy 34.4597, 0.2703, 0.2183 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(179, 141, 232) }
```

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

```
.border{ border-color:rgb(179, 141, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 141, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 141, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 141, 232);  
box-shadow:4px 4px 4px 4px rgb(179, 141,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4597, 0.2703, 0.2183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 141, 232) }
```

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

```
.background{ background-color: rgb(179,  
141, 232) }
```

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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