

Converting Colors

$Y_{xy}(34.7133, 0.2883, 0.2219)$

Have a look what the booklet for
Yxy(34.7133, 0.2883, 0.2219)
contains.

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Color

Yxy(34.7014, 0.2887, 0.2224)

Conversions

Conversions Part 1

Format	Color
Hex	C388E2
RGB	195, 136, 226
RGB Percent	76%, 53%, 89%
CMY	0.2351, 0.4667, 0.1137
CMYK	0.14, 0.40, 0.00, 0.11
HSL	279°, 61%, 71%
HSV	279°, 40%, 89%
XYZ	45.0463, 34.7014, 76.2838
YIQ	163.9010, 6.2740, 40.4980

Conversions

Conversions Part 2

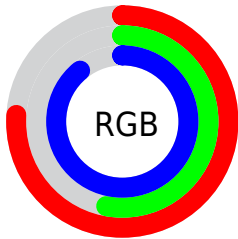
Format	Color
R_{YB}	195, 136, 226
Decimal	12814562
CIE _{Lab}	65.52, 38.47, -37.09
CIE _{LCh}	66, 53.437, 316.049
Y _{xy}	34.7014, 0.2887, 0.2224
Android (android.graphics.Color)	4291004642 (0xFFC388E2)
YUV	163.9010, 30.6148, 27.2738
Hunter-Lab	58.9079, 33.4084, -35.5431

Details

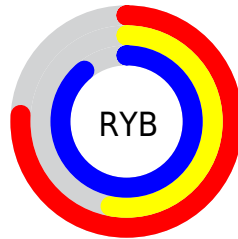
The Yxy color **34.7014, 0.2887, 0.2224** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.3870, 0.3277, 0.4436**, and the grayscale version is **36.9258, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9296, 0.3142, 0.2650**, and **14.9747, 0.2802, 0.1968** is the 20% darker color. If you saturate the color by 10%, you get **27.9858, 0.2805, 0.1951**, and if you desaturate by 10%, it is **42.8159, 0.2961, 0.2504**.

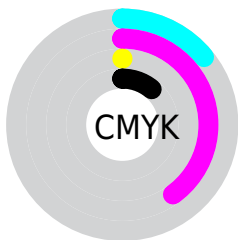
Distribution



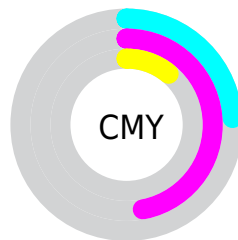
- Red (76%)
- Green (53%)
- Blue (89%)



- Red (76%)
- Yellow (53%)
- Blue (89%)



- Cyan (14%)
- Magenta (40%)
- Yellow (0%)
- Black (11%)





- Cyan (24%)
- Magenta (47%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7014, 0.2887, 0.2224 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 34.7014, 0.2887, 0.2224 by changing the saturation by 10% instead.


 34.7014, 0.2887,
0.2224


 34.7014, 0.2887,
0.2224

323.2484, 0.3025,
0.2733


 23.4330, 0.2848,
0.2106

 67.0229, 0.2941,
0.2403

 14.9135, 0.2796,
0.1959


 88.8448, 0.2960,
0.2472

 8.7587, 0.2723,
0.1774


 114.9533, 0.2976,
0.2531

 4.5841, 0.2617,
0.1535

145.7327, 0.2989,
0.2582

 2.0054, 0.2451,
0.1220

181.5676, 0.3000,
0.2627

 0.6106, 0.2178,
0.0774

222.8422, 0.3009,


 0.0000, 0.1568,


0.2667

0.0000


269.9410, 0.3018,
0.2702


 0.0000, 0.0000,
0.0000


 34.7014, 0.2887,
0.2224

 34.7014, 0.2887,
0.2224


 27.9858, 0.2805,
0.1951


 42.8159, 0.2961,
0.2504


 22.5788, 0.2715,
0.1696


 52.4035, 0.3026,
0.2780


 18.3863, 0.2622,
0.1472


 63.5380, 0.3081,
0.3045


 15.2993, 0.2528,
0.1290

 76.2871, 0.3128,
0.3294

 13.1882, 0.2436,
0.1157


 90.7145, 0.3167,
0.3524

 11.8325, 0.2350,
0.1069

 95.8343, 0.3212,
0.3579

 11.8122, 0.2348,
0.1067

 97.2372, 0.3262,
0.3575

 98.2717, 0.3297,
0.3572

Harmonies

Analogous

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



34.7014, 0.2219, 0.2063



34.7014, 0.2887, 0.2224



34.7014, 0.3728, 0.2595

Triad

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



34.7014, 0.2887, 0.2224



34.7014, 0.4540, 0.4287



34.7014, 0.1933, 0.3267

Complementary

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



34.7014, 0.2887, 0.2224



64.3870, 0.3277, 0.4436

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.



34.7014, 0.2448, 0.4159



34.7014, 0.2887, 0.2224



34.7014, 0.3953, 0.4731

Square

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



34.7014, 0.2887, 0.2224



34.7014, 0.4754, 0.3702



34.7014, 0.3188, 0.4749



34.7014, 0.1731, 0.2544

Rectangle

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



34.7014, 0.2887, 0.2224



34.7014, 0.4249, 0.2930



34.7014, 0.3188, 0.4749



34.7014, 0.2071, 0.3564

Sweetspot

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



34.7028, 0.2887, 0.2224



80.0645, 0.3070, 0.2987



38.5429, 0.2458, 0.2507



16.7128, 0.3062, 0.2952



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.



34.7028, 0.2887, 0.2224



38.0161, 0.2818, 0.1991



38.5534, 0.3299, 0.2440



13.6873, 0.3083, 0.3055



6.8062, 0.2362, 0.1075



0.5208, 0.2494, 0.1147

Inverse Universe

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



36.5625, 0.3777, 0.2929



41.0093, 0.3989, 0.2856



61.8178, 0.2995, 0.4325



13.7780, 0.3238, 0.3210



9.5561, 0.5591, 0.2854



0.6788, 0.5160, 0.2616

Previews

White Background



This preview shows how the Yxy color 34.7014, 0.2887, 0.2224 looks on a white background.

Color Contrast Check

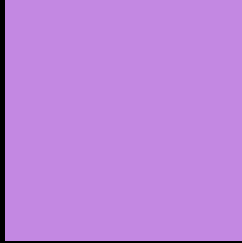
Large Text (above 18pt) WCAG AA × Fail

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 34.7014, 0.2887, 0.2224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

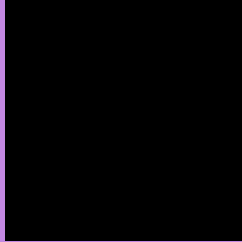
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7014, 0.2887, 0.2224

Background



This preview shows how black text looks on a background with the Yxy color 34.7014, 0.2887, 0.2224.



This preview shows how white text looks on a background with the Yxy color 34.7014, 0.2887, 0.2224.

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

34.7014, 0.2887, 0.2224

Protanopia

35.2521, 0.2299, 0.2174

Deuteranopia

34.7911, 0.2473, 0.2408



Tritanopia

34.7002, 0.3380, 0.3140

Trichromacy



Original Color

34.7014, 0.2887, 0.2224



Protanomaly

34.3816, 0.2475, 0.2173



Deuteranomaly

34.1935, 0.2611, 0.2327



Tritanomaly

34.5724, 0.3192, 0.2768

Monochromacy



Original Color

34.7014, 0.2887, 0.2224



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.8130, 0.3034, 0.2844

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7014, 0.2887, 0.2224 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(195, 136, 226)` looks like.

```
.text, #text, p{  
    color:rgb(195, 136, 226)  
}
```

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(195, 136, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 136, 226) }
```

Border

The CSS property to change the border of an element to Yxy 34.7014, 0.2887, 0.2224 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(195, 136, 226) }
```

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

```
.border{ border-color:rgb(195, 136, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 136, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(195, 136, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(195, 136, 226); box-shadow:4px 4px 4px 4px rgb(195, 136, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7014, 0.2887, 0.2224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 136, 226) }
```

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

```
.background{ background-color: rgb(195,  
136, 226) }
```

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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