

Converting Colors

$Y_{xy}(34.5503, 0.2873, 0.2346)$

Have a look what the booklet for
Yxy(34.5503, 0.2873, 0.2346)
contains.

Yxy(34.4986, 0.2880, 0.2349)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(34.4986, 0.2880, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	BA8DD9
RGB	186, 141, 217
RGB Percent	73%, 55%, 85%
CMY	0.2706, 0.4470, 0.1491
CMYK	0.14, 0.35, 0.00, 0.15
HSL	276°, 50%, 70%
HSV	276°, 35%, 85%
XYZ	42.2971, 34.4986, 70.0693
YIQ	163.1190, 2.4240, 33.1760

Conversions

Conversions Part 2

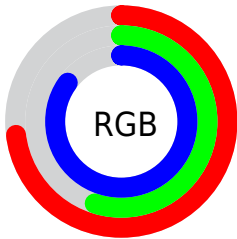
Format	Color
R _Y B	186, 141, 217
Decimal	12226009
CIE Lab	65.36, 31.06, -32.40
CIE LCh	65, 44.884, 313.789
Yxy	34.4986, 0.2880, 0.2349
Android (android.graphics.Color)	4290416089 (0xFFBA8DD9)
YUV	163.1190, 26.5633, 20.0666
Hunter-Lab	58.7355, 25.7559, -29.6159

Details

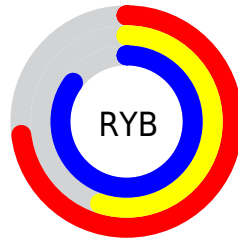
The Yxy color **34.4986, 0.2880, 0.2349** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.3159, 0.3299, 0.4268**, and the grayscale version is **36.5571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3049, 0.3065, 0.2686**, and **14.8265, 0.2792, 0.2102** is the 20% darker color. If you saturate the color by 10%, you get **27.6407, 0.2786, 0.2063**, and if you desaturate by 10%, it is **42.6816, 0.2964, 0.2634**.

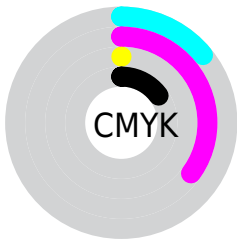
Distribution



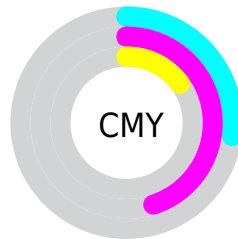
- Red (73%)
- Green (55%)
- Blue (85%)



- Red (73%)
- Yellow (55%)
- Blue (85%)



- Cyan (14%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)





- Cyan (27%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4986, 0.2880, 0.2349 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 34.4986, 0.2880, 0.2349 by changing the saturation by 10% instead.


 34.4986, 0.2880,
0.2349

 34.4986, 0.2880,
0.2349


322.3496, 0.3018,
0.2806


 23.2769, 0.2842,
0.2240


 66.7083, 0.2933,
0.2512

 14.7981, 0.2790,
0.2104


 88.4651, 0.2952,
0.2574

 8.6778, 0.2718,
0.1929


 114.5023, 0.2968,
0.2627

 4.5316, 0.2613,
0.1698

145.2044, 0.2982,
0.2672

 1.9752, 0.2448,
0.1385

180.9558, 0.2993,
0.2712

 0.5930, 0.2174,
0.0909

222.1409, 0.3002,


 0.0000, 0.1236,


0.2748

0.0000


269.1440, 0.3011,
0.2779


 0.0000, 0.0000,
0.0000


 34.4986, 0.2880,
0.2349


 34.4986, 0.2880,
0.2349

 27.6407, 0.2786,
0.2063


 42.6816, 0.2964,
0.2634

 22.0289, 0.2683,
0.1787


 52.2542, 0.3037,
0.2908


 17.5821, 0.2574,
0.1535

 63.2817, 0.3100,
0.3167

 14.2076, 0.2463,
0.1319

 75.8240, 0.3152,
0.3407

 11.7979, 0.2355,
0.1150

 89.9375, 0.3196,
0.3626

■ 10.2219, 0.2253,
0.1033

■ 94.8984, 0.3248,
0.3673

■ 9.6357, 0.2205,
0.0988

■ 96.4779, 0.3306,
0.3666

■ 97.7893, 0.3352,
0.3661

Harmonies

Analogous

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



34.4986, 0.2315, 0.2226



34.4986, 0.2880, 0.2349



34.4986, 0.3586, 0.2664

Triad

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



34.4986, 0.2880, 0.2349



34.4986, 0.4367, 0.4136



34.4986, 0.2131, 0.3338

Complementary

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



34.4986, 0.2880, 0.2349



60.3159, 0.3299, 0.4268

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.



34.4986, 0.2603, 0.4059



34.4986, 0.2880, 0.2349



34.4986, 0.3897, 0.4499

Square

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



34.4986, 0.2880, 0.2349



34.4986, 0.4501, 0.3633



34.4986, 0.3249, 0.4515



34.4986, 0.1923, 0.2707

Rectangle

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



34.4986, 0.2880, 0.2349



34.4986, 0.4028, 0.2955



34.4986, 0.3249, 0.4515



34.4986, 0.2261, 0.3584

Sweetspot

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



34.5000, 0.2880, 0.2349



81.2849, 0.3063, 0.3012



40.4326, 0.2555, 0.2691



16.9440, 0.3054, 0.2976



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.



34.5000, 0.2880, 0.2349



42.2635, 0.2812, 0.2138



38.4886, 0.3226, 0.2490



12.9963, 0.3073, 0.3055



5.8966, 0.2218, 0.0996



0.4319, 0.2377, 0.1083

Inverse Universe

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



36.7811, 0.3615, 0.2917



46.1960, 0.3764, 0.2838



57.4023, 0.3040, 0.4247



13.1391, 0.3228, 0.3195



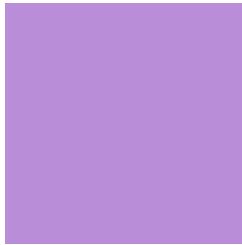
9.3814, 0.5335, 0.2712



0.6246, 0.4908, 0.2477

Previews

White Background



This preview shows how the Yxy color 34.4986, 0.2880, 0.2349 looks on a white background.

Color Contrast Check

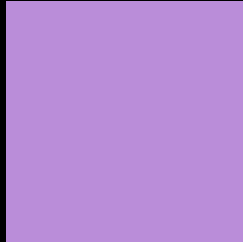
Large Text (above 18pt) WCAG AA × Fail

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 34.4986, 0.2880, 0.2349 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 34.4986, 0.2880, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 34.4986, 0.2880, 0.2349.



This preview shows how white text looks on a background with the Yxy color 34.4986, 0.2880, 0.2349.

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

34.4986, 0.2880, 0.2349

Protanopia

34.5850, 0.2409, 0.2313

Deuteranopia

34.8086, 0.2559, 0.2508



Tritanopia

34.6018, 0.3276, 0.3123

Trichromacy



Original Color

34.4986, 0.2880, 0.2349

Protanomaly

34.4395, 0.2561, 0.2322

Deuteranomaly

34.4104, 0.2669, 0.2441

Tritanomaly

34.4225, 0.3129, 0.2820

Monochromacy



Original Color

34.4986, 0.2880, 0.2349

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.5195, 0.3031, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4986, 0.2880, 0.2349 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(186, 141, 217)` looks like.

```
.text, #text, p{  
    color:rgb(186, 141, 217)  
}
```

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(186, 141, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 141, 217) }
```

Border

The CSS property to change the border of an element to Yxy 34.4986, 0.2880, 0.2349 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(186, 141, 217) }
```

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

```
.border{ border-color:rgb(186, 141, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 141, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 141, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 141, 217);  
box-shadow:4px 4px 4px 4px rgb(186, 141,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4986, 0.2880, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 141, 217) }
```

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

```
.background{ background-color: rgb(186,  
141, 217) }
```

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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