

Converting Colors

$Y_{xy}(34.4081, 0.2785, 0.2344)$

Have a look what the booklet for
Yxy(34.4081, 0.2785, 0.2344)
contains.

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Color

Yxy(34.4081, 0.2785, 0.2344)

Conversions

Conversions Part 1

Format	Color
Hex	B190DB
RGB	177, 144, 219
RGB Percent	69%, 56%, 86%
CMY	0.3061, 0.4352, 0.1412
CMYK	0.19, 0.34, 0.00, 0.14
HSL	266°, 51%, 71%
HSV	266°, 34%, 86%
XYZ	40.8816, 34.4081, 71.5025
YIQ	162.4170, -4.4070, 30.3210

Conversions

Conversions Part 2

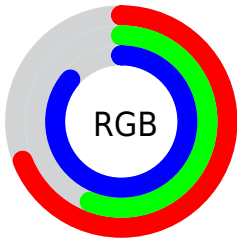
Format	Color
R _Y B	177, 144, 219
Decimal	11636955
CIE _{Lab}	65.29, 27.06, -33.69
CIE _{LCh}	65, 43.214, 308.769
Y _{xy}	34.4081, 0.2785, 0.2344
Android (android.graphics.Color)	4289827035 (0xFFB190DB)
YUV	162.4170, 27.8954, 12.7893
Hunter-Lab	58.6584, 21.7523, -31.2115

Details

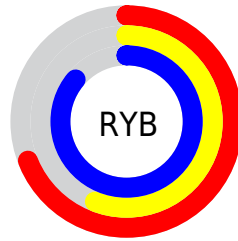
The Yxy color **34.4081, 0.2785, 0.2344** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.1245, 0.3383, 0.4218**, and the grayscale version is **36.2042, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1006, 0.2999, 0.2705**, and **14.7200, 0.2665, 0.2089** is the 20% darker color. If you saturate the color by 10%, you get **27.0278, 0.2655, 0.2038**, and if you desaturate by 10%, it is **43.2078, 0.2902, 0.2642**.

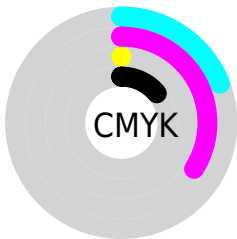
Distribution



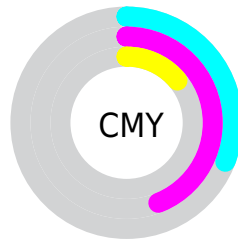
- Red (69%)
- Green (56%)
- Blue (86%)



- Red (69%)
- Yellow (56%)
- Blue (86%)



- Cyan (19%)
- Magenta (34%)
- Yellow (0%)
- Black (14%)




- Cyan (31%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.4081, 0.2785, 0.2344 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 34.4081, 0.2785, 0.2344 by changing the saturation by 10% instead.

 34.4081, 0.2785,
0.2344


 34.4081, 0.2785,
0.2344


321.9479, 0.2971,
0.2805

 23.2073, 0.2735,
0.2234

 66.5678, 0.2855,
0.2508

 14.7466, 0.2669,
0.2096


 88.2955, 0.2881,
0.2571

 8.6418, 0.2579,
0.1919


114.3009, 0.2902,
0.2624

 4.5083, 0.2448,
0.1685

144.9684, 0.2920,
0.2671

 1.9617, 0.2249,
0.1367

180.6825, 0.2936,
0.2711

 0.5851, 0.1930,
0.0886

221.8276, 0.2949,


 0.0000, 0.0745,

0.2746

0.0000

268.7879, 0.2960,
0.2778

 0.0000, 0.0000,
0.0000


 34.4081, 0.2785,
0.2344


 34.4081, 0.2785,
0.2344


 27.0278, 0.2655,
0.2038


 43.2078, 0.2902,
0.2642


 20.9845, 0.2515,
0.1737


 53.4946, 0.3005,
0.2925


 16.1938, 0.2369,
0.1455

 65.3369, 0.3094,
0.3186

 12.5594, 0.2223,
0.1209

 78.7975, 0.3169,
0.3424

 9.9701, 0.2086,
0.1014

 93.9357, 0.3233,
0.3639

■ 8.2914, 0.1963,
0.0878

■ 97.0775, 0.3311,
0.3644

■ 7.6106, 0.1900,
0.0820

■ 97.8944, 0.3340,
0.3641

Harmonies

Analogous

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



34.4081, 0.2272, 0.2261



34.4081, 0.2785, 0.2344



34.4081, 0.3455, 0.2622

Triad

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



34.4081, 0.2785, 0.2344



34.4081, 0.4374, 0.4036



34.4081, 0.2224, 0.3456

Complementary

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



34.4081, 0.2785, 0.2344



63.1245, 0.3383, 0.4218

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.



34.4081, 0.2720, 0.4129



34.4081, 0.2785, 0.2344



34.4081, 0.3966, 0.4417

Square

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



34.4081, 0.2785, 0.2344



34.4081, 0.4433, 0.3541



34.4081, 0.3358, 0.4496



34.4081, 0.1976, 0.2816

Rectangle

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



34.4081, 0.2785, 0.2344



34.4081, 0.3896, 0.2892



34.4081, 0.3358, 0.4496



34.4081, 0.2365, 0.3693

Sweetspot

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



34.4095, 0.2785, 0.2344



82.1835, 0.3043, 0.3036



46.3787, 0.2589, 0.2861



17.0941, 0.3030, 0.2998



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.



34.4095, 0.2785, 0.2344



40.9612, 0.2694, 0.2126



39.3644, 0.3121, 0.2433



12.8955, 0.3049, 0.3053



4.5753, 0.1915, 0.0829



0.3468, 0.2099, 0.0930

Inverse Universe

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



38.5620, 0.3482, 0.2794



47.8243, 0.3585, 0.2690



59.0680, 0.3113, 0.4300



13.1732, 0.3205, 0.3160



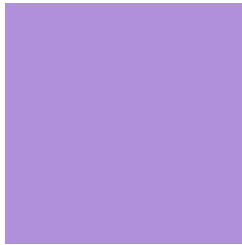
9.7977, 0.4694, 0.2360



0.6520, 0.4386, 0.2190

Previews

White Background



This preview shows how the Yxy color 34.4081, 0.2785, 0.2344 looks on a white background.

Color Contrast Check

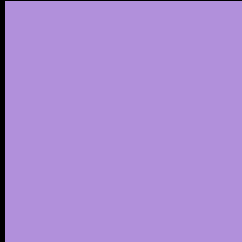
Large Text (above 18pt) WCAG AA × Fail

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 34.4081, 0.2785, 0.2344 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

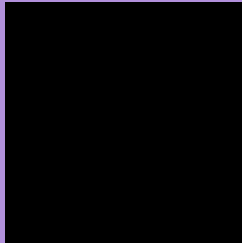
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4081, 0.2785, 0.2344

Background



This preview shows how black text looks on a background with the Yxy color 34.4081, 0.2785, 0.2344.



This preview shows how white text looks on a background with the Yxy color 34.4081, 0.2785, 0.2344.

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

34.4081, 0.2785, 0.2344

Protanopia

34.5850, 0.2409, 0.2313

Deuteranopia

34.3975, 0.2530, 0.2467



Tritanopia

34.5575, 0.3145, 0.3119

Trichromacy



Original Color

34.4081, 0.2785, 0.2344

Protanomaly

34.3767, 0.2532, 0.2328

Deuteranomaly

34.3363, 0.2616, 0.2423

Tritanomaly

34.3363, 0.3005, 0.2810

Monochromacy



Original Color

34.4081, 0.2785, 0.2344

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.0771, 0.2994, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4081, 0.2785, 0.2344 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(177, 144, 219)` looks like.

```
.text, #text, p{  
    color:rgb(177, 144, 219)  
}
```

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(177, 144, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 144, 219) }
```

Border

The CSS property to change the border of an element to Yxy 34.4081, 0.2785, 0.2344 is called "border". The border property can be set on classes, ids or directly on the HTML element.

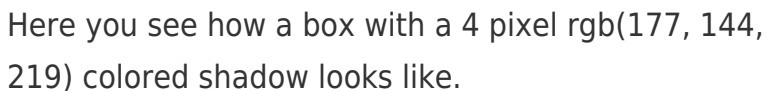
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 144, 219) }
```

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

```
.border{ border-color:rgb(177, 144, 219) }
```

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



Here you see how a box with a 4 pixel rgb(177, 144, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 144, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 144, 219); box-shadow:4px 4px 4px 4px rgb(177, 144, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4081, 0.2785, 0.2344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 144, 219) }
```

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

```
.background{ background-color: rgb(177,  
144, 219) }
```

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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