

Converting Colors

$Y_{xy}(34.6911, 0.2904, 0.2314)$

Have a look what the booklet for
Yxy(34.6911, 0.2904, 0.2314)
contains.

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Color

Yxy(34.6561, 0.2909, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	BF8BDB
RGB	191, 139, 219
RGB Percent	75%, 55%, 86%
CMY	0.2508, 0.4549, 0.1412
CMYK	0.13, 0.37, 0.00, 0.14
HSL	279°, 53%, 70%
HSV	279°, 37%, 86%
XYZ	43.5108, 34.6561, 71.4062
YIQ	163.6680, 5.3120, 35.9040

Conversions

Conversions Part 2

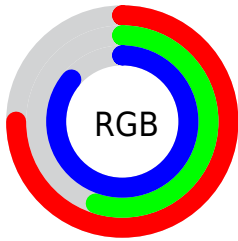
Format	Color
RYB	191, 139, 219
Decimal	12553179
CIELab	65.48, 34.14, -33.28
CIELCh	65, 47.679, 315.735
Yxy	34.6561, 0.2909, 0.2317
Android (android.graphics.Color)	4290743259 (0xFFBF8BDB)
YUV	163.6680, 27.2787, 23.9702
Hunter-Lab	58.8694, 28.9092, -30.7078

Details

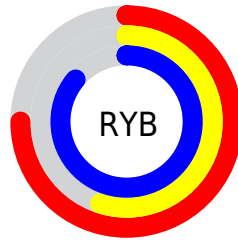
The Yxy color **34.6561, 0.2909, 0.2317** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **60.7301, 0.3271, 0.4327**, and the grayscale version is **36.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3164, 0.3103, 0.2673**, and **14.8940, 0.2819, 0.2064** is the 20% darker color. If you saturate the color by 10%, you get **27.9727, 0.2828, 0.2040**, and if you desaturate by 10%, it is **42.6643, 0.2981, 0.2597**.

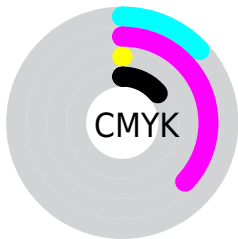
Distribution



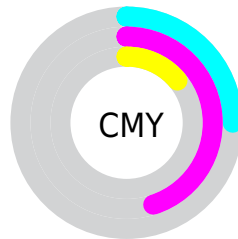
- Red (75%)
- Green (55%)
- Blue (86%)



- Red (75%)
- Yellow (55%)
- Blue (86%)



- Cyan (13%)
- Magenta (37%)
- Yellow (0%)
- Black (14%)





- Cyan (25%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6561, 0.2909, 0.2317 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 34.6561, 0.2909, 0.2317 by changing the saturation by 10% instead.

 34.6561, 0.2909,
0.2317


 34.6561, 0.2909,
0.2317


323.0478, 0.3034,
0.2787


 23.3981, 0.2874,
0.2206


 66.9527, 0.2957,
0.2483

 14.8877, 0.2826,
0.2067


 88.7600, 0.2975,
0.2547

 8.7406, 0.2760,
0.1890


 114.8526, 0.2989,
0.2602

 4.5724, 0.2662,
0.1658

145.6148, 0.3001,
0.2649

 1.9986, 0.2507,
0.1345

181.4310, 0.3011,
0.2690

 0.6067, 0.2248,
0.0881

222.6857, 0.3020,

 0.0000, 0.1496,

0.2726

0.0000

269.7631, 0.3027,
0.2759

■ 0.0000, 0.0000,
0.0000

■ 34.6561, 0.2909,
0.2317

■ 34.6561, 0.2909,
0.2317

■ 27.9727, 0.2828,
0.2040

■ 42.6643, 0.2981,
0.2597

■ 22.5326, 0.2740,
0.1777

■ 52.0637, 0.3044,
0.2870

■ 18.2521, 0.2646,
0.1540


■ 62.9212, 0.3097,
0.3129


■ 15.0350, 0.2551,
0.1342


■ 75.2983, 0.3142,
0.3372


■ 12.7688, 0.2457,
0.1191


■ 89.2527, 0.3179,
0.3595


 11.3111, 0.2367,
0.1090

 94.6288, 0.3223,
0.3654

 10.9078, 0.2337,
0.1061

 95.9735, 0.3272,
0.3649

 97.3751, 0.3322,
0.3643

 97.8939, 0.3340,
0.3641

Harmonies

Analogous

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



34.6561, 0.2302, 0.2173



34.6561, 0.2909, 0.2317



34.6561, 0.3660, 0.2658

Triad

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



34.6561, 0.2909, 0.2317



34.6561, 0.4411, 0.4205



34.6561, 0.2052, 0.3287

Complementary

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



34.6561, 0.2909, 0.2317



60.7301, 0.3271, 0.4327

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.



34.6561, 0.2530, 0.4064



34.6561, 0.2909, 0.2317



34.6561, 0.3893, 0.4584

Square

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



34.6561, 0.2909, 0.2317



34.6561, 0.4586, 0.3677



34.6561, 0.3203, 0.4580



34.6561, 0.1857, 0.2634

Rectangle

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



34.6561, 0.2909, 0.2317



34.6561, 0.4122, 0.2966



34.6561, 0.3203, 0.4580



34.6561, 0.2182, 0.3548

Sweetspot

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



34.6575, 0.2909, 0.2317



81.5794, 0.3074, 0.3013



38.2353, 0.2518, 0.2585



17.0143, 0.3066, 0.2977



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.



34.6575, 0.2909, 0.2317



41.3738, 0.2846, 0.2099



38.0249, 0.3281, 0.2510



13.0354, 0.3082, 0.3056



6.5316, 0.2350, 0.1068



0.4705, 0.2492, 0.1146

Inverse Universe

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



36.3081, 0.3696, 0.2955



44.2222, 0.3878, 0.2884



58.3797, 0.3005, 0.4222



13.1263, 0.3237, 0.3209



9.2623, 0.5568, 0.2841



0.6160, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 34.6561, 0.2909, 0.2317 looks on a white background.

Color Contrast Check

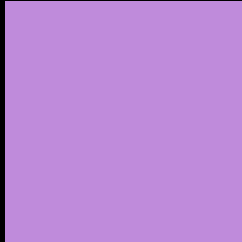
Large Text (above 18pt) WCAG AA × Fail

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 34.6561, 0.2909, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

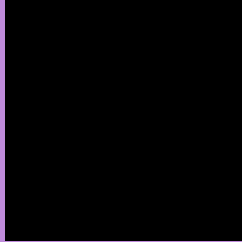
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.6561, 0.2909, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 34.6561, 0.2909, 0.2317.



This preview shows how white text looks on a background with the Yxy color 34.6561, 0.2909, 0.2317.

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

34.6561, 0.2909, 0.2317

Protanopia

35.0655, 0.2383, 0.2283

Deuteranopia

34.8599, 0.2553, 0.2496



Tritanopia

34.6869, 0.3338, 0.3139

Trichromacy



Original Color

34.6561, 0.2909, 0.2317



Protanomaly

34.3827, 0.2548, 0.2280



Deuteranomaly

34.2441, 0.2669, 0.2418



Tritanomaly

34.6006, 0.3169, 0.2813

Monochromacy



Original Color

34.6561, 0.2909, 0.2317



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

35.9021, 0.3050, 0.2895

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6561, 0.2909, 0.2317 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(191, 139, 219)` looks like.

```
.text, #text, p{  
    color:rgb(191, 139, 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(191, 139, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 139, 219) }
```

Border

The CSS property to change the border of an element to Yxy 34.6561, 0.2909, 0.2317 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(191, 139, 219) }
```

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

```
.border{ border-color:rgb(191, 139, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 139, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 139, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 139, 219);  
box-shadow:4px 4px 4px 4px rgb(191, 139,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6561, 0.2909, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 139, 219) }
```

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

```
.background{ background-color: rgb(191,  
139, 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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