

Converting Colors

$Yxy(34.5711, 0.3127, 0.2671)$

Have a look what the booklet for
Yxy(34.5711, 0.3127, 0.2671)
contains.

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Color

Yxy(34.5711, 0.3127, 0.2671)

Conversions

Conversions Part 1

Format	Color
Hex	BD90C0
RGB	189, 144, 192
RGB Percent	74%, 56%, 75%
CMY	0.2588, 0.4353, 0.2472
CMYK	0.02, 0.25, 0.00, 0.25
HSL	296°, 28%, 66%
HSV	296°, 25%, 75%
XYZ	40.4732, 34.5711, 54.3870
YIQ	162.9270, 11.4120, 24.4680

Conversions

Conversions Part 2

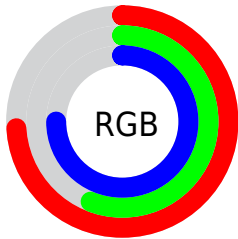
Format	Color
RYB	189, 144, 192
Decimal	12423360
CIELab	65.41, 25.25, -18.32
CIELCh	65, 31.193, 324.035
Yxy	34.5711, 0.3127, 0.2671
Android (android.graphics.Color)	4290613440 (0xFFBD90C0)
YUV	162.9270, 14.3330, 22.8660
Hunter-Lab	58.7972, 19.9757, -13.6848

Details

The Yxy color $34.5711, 0.3127, 0.2671$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $45.8955, 0.3118, 0.3986$, and the grayscale version is $36.5175, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.7583, 0.3136, 0.2786$, and $14.8146, 0.3122, 0.2501$ is the 20% darker color. If you saturate the color by 10%, you get $29.0931, 0.3124, 0.2422$, and if you desaturate by 10%, it is $41.0420, 0.3128, 0.2923$.

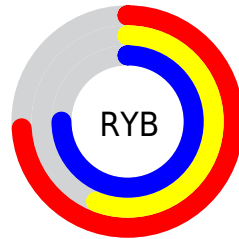
Distribution



Red (74%)

Green (56%)

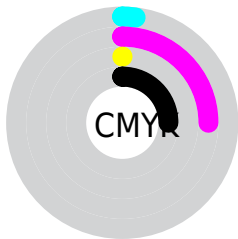
Blue (75%)



Red (74%)

Yellow (56%)

Blue (75%)

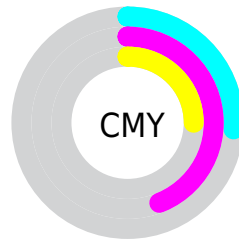


Cyan (2%)

Magenta (25%)

Yellow (0%)

Black (25%)



Cyan (26%)


Magenta (44%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5711, 0.3127, 0.2671 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 34.5711, 0.3127, 0.2671 by changing the saturation by 10% instead.


 34.5711, 0.3127,
0.2671

 34.5711, 0.3127,
0.2671

322.6711, 0.3133,
0.2980

 23.3327, 0.3124,
0.2594


 66.8208, 0.3131,
0.2783

 14.8393, 0.3118,
0.2496


 88.6009, 0.3132,
0.2825

 8.7067, 0.3108,
0.2366


114.6636, 0.3132,
0.2861

 4.5504, 0.3090,
0.2186

145.3934, 0.3133,
0.2892

 1.9860, 0.3055,
0.1924

181.1746, 0.3133,
0.2918

 0.5993, 0.2991,
0.1452

222.3918, 0.3133,

 0.0000, 0.1552,

0.2942

0.0000

269.4291, 0.3133,
0.2962

0.0000, 0.0000,
0.0000

34.5711, 0.3127,
0.2671

34.5711, 0.3127,
0.2671

29.0931, 0.3124,
0.2422

41.0420, 0.3128,
0.2923

24.5536, 0.3119,
0.2186

48.5478, 0.3128,
0.3170

20.8997, 0.3112,
0.1971

57.1335, 0.3126,
0.3408

18.0713, 0.3102,
0.1787

66.8401, 0.3124,
0.3632

16.0013, 0.3090,
0.1642

77.7066, 0.3120,
0.3840

■ 14.6116, 0.3077,
0.1539

■ 87.0727, 0.3119,
0.3990

■ 13.8074, 0.3063,
0.1478

■ 87.2316, 0.3126,
0.3989

■ 13.5271, 0.3055,
0.1457

■ 87.3919, 0.3134,
0.3987

■ 87.5533, 0.3141,
0.3986

Harmonies

Analogous

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



34.5711, 0.2675, 0.2530



34.5711, 0.3127, 0.2671



34.5711, 0.3613, 0.2949

Triad

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



34.5711, 0.3127, 0.2671



34.5711, 0.3921, 0.4013



34.5711, 0.2341, 0.3175

Complementary

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



34.5711, 0.3127, 0.2671



45.8955, 0.3118, 0.3986

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.



34.5711, 0.2632, 0.3656



34.5711, 0.3127, 0.2671



34.5711, 0.3542, 0.4163

Square

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



34.5711, 0.3127, 0.2671



34.5711, 0.4089, 0.3693



34.5711, 0.3069, 0.4040



34.5711, 0.2249, 0.2780

Rectangle

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



34.5711, 0.3127, 0.2671



34.5711, 0.3879, 0.3184



34.5711, 0.3069, 0.4040



34.5711, 0.2417, 0.3334

Sweetspot

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



34.5726, 0.3127, 0.2671



84.9460, 0.3128, 0.3118



30.6639, 0.2708, 0.2638



18.0405, 0.3128, 0.3103



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



34.5726, 0.3127, 0.2671



56.9935, 0.3126, 0.2533



34.0965, 0.3359, 0.2932



10.2150, 0.3128, 0.3062



9.1187, 0.3057, 0.1458



0.4037, 0.3093, 0.1478

Inverse Universe

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



33.2544, 0.3614, 0.3251



54.2147, 0.3762, 0.3243



46.3216, 0.2948, 0.3679



10.0877, 0.3279, 0.3276



7.5624, 0.6325, 0.3258



0.3303, 0.6057, 0.3110

Previews

White Background



This preview shows how the Yxy color 34.5711, 0.3127, 0.2671 looks on a white background.

Color Contrast Check

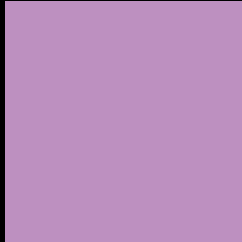
Large Text (above 18pt) WCAG AA × Fail

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 34.5711, 0.3127, 0.2671 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

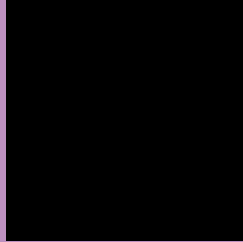
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5711, 0.3127, 0.2671

Background



This preview shows how black text looks on a background with the Yxy color 34.5711, 0.3127, 0.2671.



This preview shows how white text looks on a background with the Yxy color 34.5711, 0.3127, 0.2671.

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

34.5711, 0.3127, 0.2671

Protanopia

34.6269, 0.2687, 0.2673

Deuteranopia

34.5313, 0.2863, 0.2799



Tritanopia

34.7002, 0.3380, 0.3140

Trichromacy



Original Color

34.5711, 0.3127, 0.2671

Protanomaly

34.3202, 0.2832, 0.2661

Deuteranomaly

34.4409, 0.2953, 0.2745

Tritanomaly

34.5975, 0.3284, 0.2968

Monochromacy



Original Color

34.5711, 0.3127, 0.2671

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.6036, 0.3120, 0.3040

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5711, 0.3127, 0.2671 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(189, 144, 192)` looks like.

```
.text, #text, p{  
    color:rgb(189, 144, 192)  
}
```

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(189, 144, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 144, 192) }
```

Border

The CSS property to change the border of an element to Yxy 34.5711, 0.3127, 0.2671 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(189, 144, 192) }
```

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

```
.border{ border-color:rgb(189, 144, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 144, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 144, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 144, 192);  
box-shadow:4px 4px 4px 4px rgb(189, 144,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5711, 0.3127, 0.2671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 144, 192) }
```

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

```
.background{ background-color: rgb(189,  
144, 192) }
```

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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