

Converting Colors

$Y_{xy}(34.6929, 0.2963, 0.2585)$

Have a look what the booklet for
Yxy(34.6929, 0.2963, 0.2585)
contains.

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Color

Yxy(34.7878, 0.2960, 0.2587)

Conversions

Conversions Part 1

Format	Color
Hex	B493C9
RGB	180, 147, 201
RGB Percent	71%, 58%, 79%
CMY	0.2940, 0.4236, 0.2117
CMYK	0.10, 0.27, 0.00, 0.21
HSL	277°, 33%, 68%
HSV	277°, 27%, 79%
XYZ	39.8036, 34.7878, 59.8802
YIQ	163.0230, 2.3340, 23.7900

Conversions

Conversions Part 2

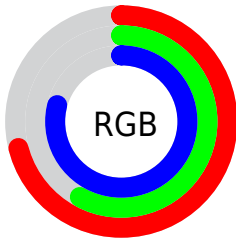
Format	Color
RYB	180, 147, 201
Decimal	11834313
CIELab	65.58, 22.43, -23.20
CIELCh	66, 32.268, 314.033
Yxy	34.7878, 0.2960, 0.2587
Android (android.graphics.Color)	4290024393 (0xFFB493C9)
YUV	163.0230, 18.7227, 14.8888
Hunter-Lab	58.9812, 17.2441, -18.9069

Details

The Yxy color $34.7878, 0.2960, 0.2587$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $52.2062, 0.3255, 0.4017$, and the grayscale version is $36.5483, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.8262, 0.3014, 0.2739$, and $14.9844, 0.2902, 0.2389$ is the 20% darker color. If you saturate the color by 10%, you get $28.1637, 0.2879, 0.2305$, and if you desaturate by 10%, it is $42.5599, 0.3031, 0.2861$.

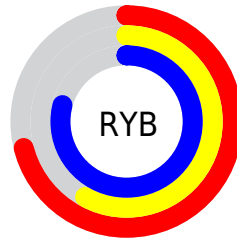
Distribution



Red (71%)

Green (58%)

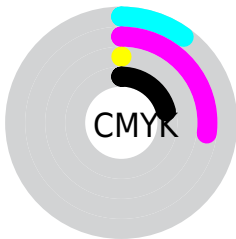
Blue (79%)



Red (71%)

Yellow (58%)

Blue (79%)

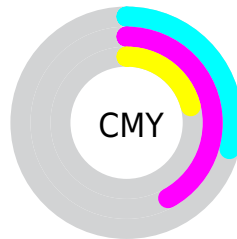


Cyan (10%)

Magenta (27%)

Yellow (0%)

Black (21%)



Cyan (29%)

Magenta (42%)

Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7878, 0.2960, 0.2587 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 34.7878, 0.2960, 0.2587 by changing the saturation by 10% instead.

 34.7878, 0.2960,
0.2587


 34.7878, 0.2960,
0.2587


323.6307, 0.3053,
0.2937

 23.4995, 0.2934,
0.2501


 67.1569, 0.2996,
0.2713

 14.9627, 0.2899,
0.2391


 89.0065, 0.3009,
0.2761

 8.7932, 0.2849,
0.2247


115.1452, 0.3019,
0.2801

 4.6066, 0.2775,
0.2050

145.9576, 0.3028,
0.2836

 2.0183, 0.2654,
0.1767

181.8279, 0.3036,
0.2866

 0.6181, 0.2444,
0.1291

223.1406, 0.3042,

 0.0000, 0.0703,

0.2893

0.0000

270.2801, 0.3048,
0.2916

0.0000, 0.0000,
0.0000

34.7878, 0.2960,
0.2587

34.7878, 0.2960,
0.2587

28.1637, 0.2879,
0.2305

42.5599, 0.3031,
0.2861

22.6255, 0.2789,
0.2024

51.5290, 0.3091,
0.3122

18.1118, 0.2690,
0.1756

61.7468, 0.3142,
0.3364

14.5531, 0.2587,
0.1513

73.2605, 0.3185,
0.3586

11.8710, 0.2481,
0.1308

86.1148, 0.3220,
0.3788

9.9742, 0.2379,
0.1150

92.0485, 0.3262,
0.3853

8.7414, 0.2282,
0.1043

93.3463, 0.3313,
0.3844

8.4227, 0.2252,
0.1014

94.7024, 0.3365,
0.3835

96.1176, 0.3416,
0.3826

Harmonies

Analogous

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



34.7878, 0.2535, 0.2497



34.7878, 0.2960, 0.2587



34.7878, 0.3467, 0.2830

Triad

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



34.7878, 0.2960, 0.2587



34.7878, 0.4033, 0.3937



34.7878, 0.2396, 0.3334

Complementary

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



34.7878, 0.2960, 0.2587



52.2062, 0.3255, 0.4017

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.



34.7878, 0.2754, 0.3823



34.7878, 0.2960, 0.2587



34.7878, 0.3702, 0.4167

Square

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



34.7878, 0.2960, 0.2587



34.7878, 0.4115, 0.3574



34.7878, 0.3231, 0.4142



34.7878, 0.2231, 0.2880

Rectangle

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



34.7878, 0.2960, 0.2587



34.7878, 0.3777, 0.3055



34.7878, 0.3231, 0.4142



34.7878, 0.2496, 0.3503

Sweetspot

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



34.7893, 0.2960, 0.2587



86.1957, 0.3084, 0.3090



38.6472, 0.2695, 0.2839



17.9275, 0.3075, 0.3051



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.



34.7893, 0.2960, 0.2587



52.9965, 0.2916, 0.2430



37.2519, 0.3208, 0.2689



10.6030, 0.3077, 0.3058



5.3495, 0.2265, 0.1022



0.2942, 0.2462, 0.1130

Inverse Universe

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



36.1105, 0.3480, 0.3022



55.7134, 0.3579, 0.2963



50.2599, 0.3055, 0.3976



10.7040, 0.3230, 0.3201



8.1710, 0.5402, 0.2750



0.4010, 0.4842, 0.2441

Previews

White Background



This preview shows how the Yxy color 34.7878, 0.2960, 0.2587 looks on a white background.

Color Contrast Check

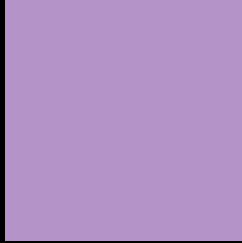
Large Text (above 18pt) WCAG AA × Fail

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 34.7878, 0.2960, 0.2587 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 34.7878, 0.2960, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 34.7878, 0.2960, 0.2587.



This preview shows how white text looks on a background with the Yxy color 34.7878, 0.2960, 0.2587.

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

34.7878, 0.2960, 0.2587

Protanopia

35.1682, 0.2617, 0.2586

Deuteranopia

34.8690, 0.2759, 0.2693



Tritanopia

34.9783, 0.3224, 0.3122

Trichromacy



Original Color

34.7878, 0.2960, 0.2587

Protanomaly

34.8365, 0.2730, 0.2584

Deuteranomaly

34.8451, 0.2826, 0.2652

Tritanomaly

34.7350, 0.3125, 0.2908

Monochromacy



Original Color

34.7878, 0.2960, 0.2587

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.7233, 0.3064, 0.3011

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7878, 0.2960, 0.2587 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(180, 147, 201)` looks like.

```
.text, #text, p{  
    color:rgb(180, 147, 201)  
}
```

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(180, 147, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 147, 201) }
```

Border

The CSS property to change the border of an element to Yxy 34.7878, 0.2960, 0.2587 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(180, 147, 201) }
```

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

```
.border{ border-color:rgb(180, 147, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 147, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 147, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 147, 201);  
box-shadow:4px 4px 4px 4px rgb(180, 147,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7878, 0.2960, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 147, 201) }
```

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

```
.background{ background-color: rgb(180,  
147, 201) }
```

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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