

Converting Colors

$Y_{xy}(34.5735, 0.2937, 0.2719)$

Have a look what the booklet for
Yxy(34.5735, 0.2937, 0.2719)
contains.

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Color

Yxy(34.5295, 0.2936, 0.2720)

Conversions

Conversions Part 1

Format	Color
Hex	AA97C1
RGB	170, 151, 193
RGB Percent	67%, 59%, 76%
CMY	0.3333, 0.4078, 0.2432
CMYK	0.12, 0.22, 0.00, 0.24
HSL	267°, 25%, 67%
HSV	267°, 22%, 76%
XYZ	37.2715, 34.5295, 55.1456
YIQ	161.4690, -2.1580, 17.0900

Conversions

Conversions Part 2

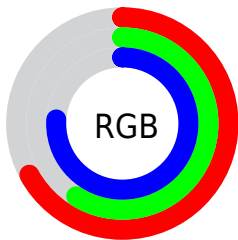
Format	Color
R_{YB}	170, 151, 193
Decimal	11179969
CIE _{Lab}	65.38, 15.19, -19.11
CIE _{LCh}	65, 24.415, 308.489
Yxy	34.5295, 0.2936, 0.2720
Android (android.graphics.Color)	4289370049 (0xFFAA97C1)
YUV	161.4690, 15.5448, 7.4817
Hunter-Lab	58.7618, 10.3861, -14.5081

Details

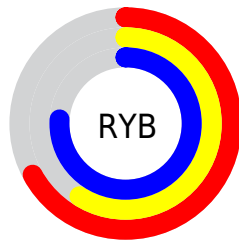
The Yxy color **34.5295, 0.2936, 0.2720** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.3646, 0.3288, 0.3855**, and the grayscale version is **35.7986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7335, 0.2975, 0.2818**, and **14.7603, 0.2868, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **27.6894, 0.2827, 0.2429**, and if you desaturate by 10%, it is **42.4838, 0.3032, 0.2994**.

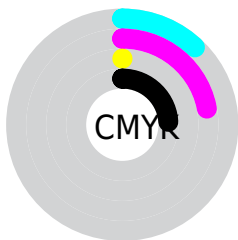
Distribution



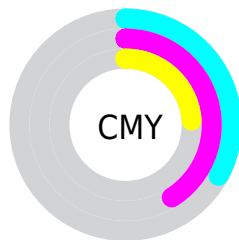
- Red (67%)
- Green (59%)
- Blue (76%)



- Red (67%)
- Yellow (59%)
- Blue (76%)



- Cyan (12%)
- Magenta (22%)
- Yellow (0%)
- Black (24%)





- Cyan (33%)
- Magenta (41%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5295, 0.2936, 0.2720 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 34.5295, 0.2936, 0.2720 by changing the saturation by 10% instead.


 34.5295, 0.2936,
0.2720


 34.5295, 0.2936,
0.2720


322.4867, 0.3039,
0.3008

 23.3007, 0.2908,
0.2647


 66.7562, 0.2975,
0.2825

 14.8157, 0.2870,
0.2554


 88.5229, 0.2989,
0.2865

 8.6901, 0.2818,
0.2429

114.5711, 0.3001,
0.2898

 4.5396, 0.2740,
0.2255

145.2850, 0.3011,
0.2926

 1.9798, 0.2613,
0.1998

181.0491, 0.3020,
0.2951

 0.5957, 0.2398,
0.1518

222.2478, 0.3027,

 0.0000, 0.0000,

0.2972

0.0000

269.2656, 0.3034,
0.2991

■ 34.5295, 0.2936,
0.2720

■ 34.5295, 0.2936,
0.2720

■ 27.6894, 0.2827,
0.2429

■ 42.4838, 0.3032,
0.2994

■ 21.9075, 0.2704,
0.2128

■ 51.5961, 0.3114,
0.3248

■ 17.1294, 0.2571,
0.1828

■ 61.9132, 0.3184,
0.3478

■ 13.2941, 0.2430,
0.1543

■ 73.4779, 0.3243,
0.3686

■ 10.3334, 0.2288,
0.1289

■ 86.3308, 0.3292,
0.3872

8.1697, 0.2151,
0.1081

92.7545, 0.3351,
0.3930

6.7108, 0.2025,
0.0928

94.5885, 0.3422,
0.3915

5.8961, 0.1932,
0.0838

96.5307, 0.3492,
0.3900

96.6298, 0.3496,
0.3900

Harmonies

Analogous

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



34.5295, 0.2625, 0.2679



34.5295, 0.2936, 0.2720



34.5295, 0.3318, 0.2892

Triad

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



34.5295, 0.2936, 0.2720



34.5295, 0.3845, 0.3751



34.5295, 0.2608, 0.3399

Complementary

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



34.5295, 0.2936, 0.2720



49.3646, 0.3288, 0.3855

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.



34.5295, 0.2911, 0.3744



34.5295, 0.2936, 0.2720



34.5295, 0.3629, 0.3938

Square

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



34.5295, 0.2936, 0.2720



34.5295, 0.3861, 0.3464



34.5295, 0.3284, 0.3946



34.5295, 0.2445, 0.3043

Rectangle

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



34.5295, 0.2936, 0.2720



34.5295, 0.3560, 0.3061



34.5295, 0.3284, 0.3946



34.5295, 0.2696, 0.3522

Sweetspot

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



34.5309, 0.2936, 0.2720



83.4217, 0.3072, 0.3115



40.7374, 0.2789, 0.3026



17.6865, 0.3067, 0.3100



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.



34.5309, 0.2936, 0.2720



55.9127, 0.2887, 0.2586



37.0448, 0.3132, 0.2753



9.9664, 0.3053, 0.3057



3.9683, 0.1945, 0.0845



0.2123, 0.2202, 0.0987

Inverse Universe

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



36.5238, 0.3331, 0.2990



60.1647, 0.3386, 0.2923



47.1514, 0.3116, 0.3886



10.1680, 0.3205, 0.3165



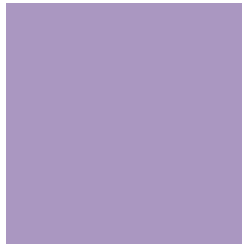
8.2434, 0.4741, 0.2385



0.3699, 0.4309, 0.2148

Previews

White Background



This preview shows how the Yxy color 34.5295, 0.2936, 0.2720 looks on a white background.

Color Contrast Check

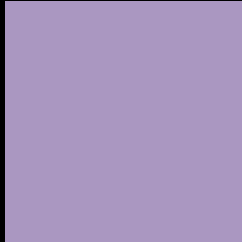
Large Text (above 18pt) WCAG AA × Fail

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 34.5295, 0.2936, 0.2720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

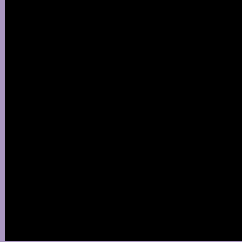
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5295, 0.2936, 0.2720

Background



This preview shows how black text looks on a background with the Yxy color 34.5295, 0.2936, 0.2720.



This preview shows how white text looks on a background with the Yxy color 34.5295, 0.2936, 0.2720.

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

34.5295, 0.2936, 0.2720

Protanopia

34.5347, 0.2725, 0.2725

Deuteranopia

34.5176, 0.2838, 0.2772



Tritanopia

34.7111, 0.3116, 0.3118

Trichromacy



Original Color

34.5295, 0.2936, 0.2720

Protanomaly

34.5963, 0.2798, 0.2720

Deuteranomaly

34.5984, 0.2873, 0.2763

Tritanomaly

34.5010, 0.3046, 0.2966

Monochromacy



Original Color

34.5295, 0.2936, 0.2720

Achromatopsia

35.6400, 0.3127, 0.3290

Achromatomaly

35.0236, 0.3052, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5295, 0.2936, 0.2720 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(170, 151, 193)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 193)  
}
```

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(170, 151, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 193) }
```

Border

The CSS property to change the border of an element to Yxy 34.5295, 0.2936, 0.2720 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(170, 151, 193) }
```

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

```
.border{ border-color:rgb(170, 151, 193) }
```

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

Here you see how a box with a 4 pixel rgb(170, 151, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 193);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5295, 0.2936, 0.2720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 193) }
```

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

```
.background{ background-color: rgb(170,  
151, 193) }
```

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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