

Converting Colors

$Y_{xy}(34.5519, 0.2940, 0.2685)$

Have a look what the booklet for
Yxy(34.5519, 0.2940, 0.2685)
contains.

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Color

Yxy(34.5235, 0.2937, 0.2685)

Conversions

Conversions Part 1

Format	Color
Hex	AC96C3
RGB	172, 150, 195
RGB Percent	67%, 59%, 76%
CMY	0.3256, 0.4117, 0.2354
CMYK	0.12, 0.23, 0.00, 0.24
HSL	269°, 27%, 68%
HSV	269°, 23%, 76%
XYZ	37.7637, 34.5235, 56.2919
YIQ	161.7080, -1.3330, 18.6590

Conversions

Conversions Part 2

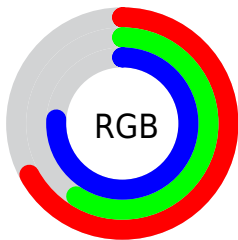
Format	Color
RYB	172, 150, 195
Decimal	11310787
CIELab	65.38, 16.82, -20.22
CIElCh	65, 26.297, 309.760
Yxy	34.5235, 0.2937, 0.2685
Android (android.graphics.Color)	4289500867 (0xFFAC96C3)
YUV	161.7080, 16.4130, 9.0261
Hunter-Lab	58.7567, 11.9000, -15.6732

Details

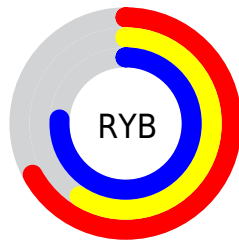
The Yxy color **34.5235, 0.2937, 0.2685** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.1118, 0.3284, 0.3894**, and the grayscale version is **35.9093, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.7080, 0.2976, 0.2790**, and **14.7687, 0.2870, 0.2511** is the 20% darker color. If you saturate the color by 10%, you get **27.7239, 0.2833, 0.2395**, and if you desaturate by 10%, it is **42.4462, 0.3028, 0.2960**.

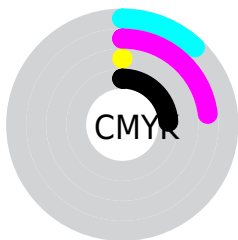
Distribution



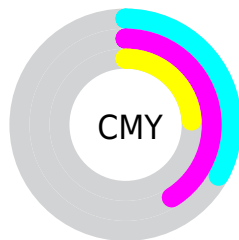
- Red (67%)
- Green (59%)
- Blue (76%)



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



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (24%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.5235, 0.2937, 0.2685 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 34.5235, 0.2937, 0.2685 by changing the saturation by 10% instead.


 34.5235, 0.2937,
0.2685


 34.5235, 0.2937,
0.2685


322.4601, 0.3040,
0.2990

 23.2961, 0.2909,
0.2609


 66.7469, 0.2976,
0.2796

 14.8123, 0.2871,
0.2511


 88.5117, 0.2991,
0.2838

 8.6877, 0.2818,
0.2380


114.5577, 0.3002,
0.2873

 4.5381, 0.2739,
0.2199

145.2694, 0.3012,
0.2903

 1.9789, 0.2611,
0.1933

181.0310, 0.3021,
0.2929

 0.5952, 0.2394,
0.1449

222.2271, 0.3028,

 0.0000, 0.0000,

0.2952

0.0000

269.2420, 0.3035,
0.2972

■ 34.5235, 0.2937,
0.2685

■ 34.5235, 0.2937,
0.2685

■ 27.7239, 0.2833,
0.2395

■ 42.4462, 0.3028,
0.2960

■ 21.9899, 0.2717,
0.2097

■ 51.5371, 0.3106,
0.3216

■ 17.2656, 0.2591,
0.1804

■ 61.8439, 0.3172,
0.3450

■ 13.4880, 0.2458,
0.1528

■ 73.4107, 0.3228,
0.3661

■ 10.5866, 0.2323,
0.1285

■ 86.2789, 0.3274,
0.3851

8.4807, 0.2193,
0.1088

92.5876, 0.3330,
0.3911

7.0736, 0.2073,
0.0946

94.3034, 0.3396,
0.3898

6.3836, 0.1997,
0.0874

96.1155, 0.3462,
0.3884

96.7193, 0.3484,
0.3880

Harmonies

Analogous

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



34.5235, 0.2599, 0.2633



34.5235, 0.2937, 0.2685



34.5235, 0.3349, 0.2873

Triad

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



34.5235, 0.2937, 0.2685



34.5235, 0.3894, 0.3794



34.5235, 0.2558, 0.3389

Complementary

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



34.5235, 0.2937, 0.2685



50.1118, 0.3284, 0.3894

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.



34.5235, 0.2877, 0.3768



34.5235, 0.2937, 0.2685



34.5235, 0.3652, 0.3992

Square

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



34.5235, 0.2937, 0.2685



34.5235, 0.3922, 0.3488



34.5235, 0.3277, 0.3995



34.5235, 0.2393, 0.3008

Rectangle

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



34.5235, 0.2937, 0.2685



34.5235, 0.3608, 0.3056



34.5235, 0.3277, 0.3995



34.5235, 0.2650, 0.3523

Sweetspot

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



34.5249, 0.2937, 0.2685



85.4741, 0.3076, 0.3115



40.4075, 0.2766, 0.2987



18.4961, 0.3071, 0.3099



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.



34.5249, 0.2937, 0.2685



55.0579, 0.2883, 0.2531



37.2574, 0.3147, 0.2722



9.9840, 0.3058, 0.3057



4.1996, 0.2011, 0.0881



0.2225, 0.2261, 0.1019

Inverse Universe

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



36.4357, 0.3362, 0.2991



59.1973, 0.3432, 0.2918



47.7817, 0.3103, 0.3929



10.1620, 0.3211, 0.3173



8.1530, 0.4888, 0.2466



0.3662, 0.4415, 0.2206

Previews

White Background



This preview shows how the Yxy color 34.5235, 0.2937, 0.2685 looks on a white background.

Color Contrast Check

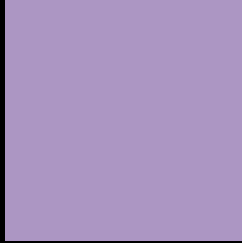
Large Text (above 18pt) WCAG AA × Fail

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 34.5235, 0.2937, 0.2685 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

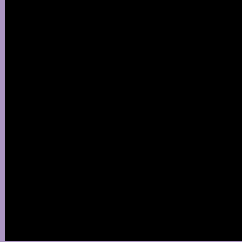
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.5235, 0.2937, 0.2685

Background



This preview shows how black text looks on a background with the Yxy color 34.5235, 0.2937, 0.2685.



This preview shows how white text looks on a background with the Yxy color 34.5235, 0.2937, 0.2685.

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

34.5235, 0.2937, 0.2685

Protanopia

34.5800, 0.2694, 0.2686

Deuteranopia

34.5058, 0.2813, 0.2745



Tritanopia

34.4482, 0.3135, 0.3119

Trichromacy



Original Color

34.5235, 0.2937, 0.2685

Protanomaly

34.3565, 0.2781, 0.2680

Deuteranomaly

34.3589, 0.2856, 0.2723

Tritanomaly

34.3918, 0.3065, 0.2954

Monochromacy



Original Color

34.5235, 0.2937, 0.2685

Achromatopsia

36.1307, 0.3127, 0.3290

Achromatomaly

35.6167, 0.3062, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.5235, 0.2937, 0.2685 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(172, 150, 195)` looks like.

```
.text, #text, p{  
    color:rgb(172, 150, 195)  
}
```

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(172, 150, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 150, 195) }
```

Border

The CSS property to change the border of an element to Yxy 34.5235, 0.2937, 0.2685 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(172, 150, 195) }
```

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

```
.border{ border-color:rgb(172, 150, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 150, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 150, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 150, 195);  
box-shadow:4px 4px 4px 4px rgb(172, 150,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 34.5235, 0.2937, 0.2685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 150, 195) }
```

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

```
.background{ background-color: rgb(172,  
150, 195) }
```

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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