

Converting Colors

$Y_{xy}(35.8097, 0.2930, 0.2690)$

Have a look what the booklet for
Yxy(35.8097, 0.2930, 0.2690)
contains.

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Color

Yxy(35.8584, 0.2931, 0.2692)

Conversions

Conversions Part 1

Format	Color
Hex	AE99C6
RGB	174, 153, 198
RGB Percent	68%, 60%, 78%
CMY	0.3176, 0.4000, 0.2234
CMYK	0.12, 0.23, 0.00, 0.22
HSL	268°, 28%, 69%
HSV	268°, 23%, 78%
XYZ	39.0420, 35.8584, 58.3032
YIQ	164.4090, -1.9290, 18.4470

Conversions

Conversions Part 2

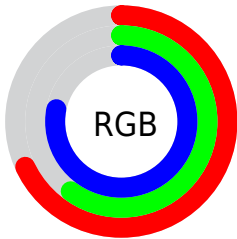
Format	Color
RYB	174, 153, 198
Decimal	11442630
CIELab	66.41, 16.46, -20.32
CIELCh	66, 26.147, 309.004
Yxy	35.8584, 0.2931, 0.2692
Android (android.graphics.Color)	4289632710 (0xFFAE99C6)
YUV	164.4090, 16.5604, 8.4113
Hunter-Lab	59.8819, 11.5857, -15.8096

Details

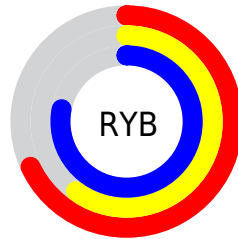
The Yxy color $35.8584, 0.2931, 0.2692$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $52.0484, 0.3290, 0.3884$, and the grayscale version is $37.2508, 0.3127, 0.3290$.

A 20% lighter version of the original color is $68.6686, 0.2971, 0.2795$, and $15.5813, 0.2863, 0.2525$ is the 20% darker color. If you saturate the color by 10%, you get $28.7404, 0.2823, 0.2400$, and if you desaturate by 10%, it is $44.1505, 0.3026, 0.2968$.

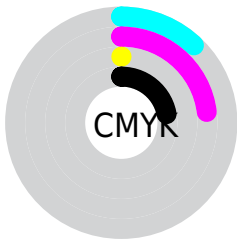
Distribution



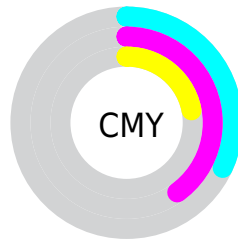
- Red (68%)
- Green (60%)
- Blue (78%)



- Red (68%)
- Yellow (60%)
- Blue (78%)



- Cyan (12%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)




- Cyan (32%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8584, 0.2931, 0.2692 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 35.8584, 0.2931, 0.2692 by changing the saturation by 10% instead.

 35.8584, 0.2931,
0.2692


 35.8584, 0.2931,
0.2692

328.3412, 0.3036,
0.2992

 24.3249, 0.2902,
0.2617


 68.8135, 0.2971,
0.2801

 15.5748, 0.2864,
0.2522


 91.0038, 0.2986,
0.2842

 9.2238, 0.2812,
0.2395


117.5151, 0.2998,
0.2876

 4.8874, 0.2734,
0.2221

148.7319, 0.3008,
0.2906

 2.1814, 0.2609,
0.1965

185.0385, 0.3017,
0.2932

 0.7098, 0.2390,
0.1544

226.8193, 0.3024,

 0.0000, 0.0239,

0.2954

0.0000

274.4588, 0.3031,
0.2974

■ 0.0000, 0.0000,
0.0000

■ 35.8584, 0.2931,
0.2692

■ 35.8584, 0.2931,
0.2692

■ 28.7404, 0.2823,
0.2400

■ 44.1505, 0.3026,
0.2968

■ 22.7369, 0.2702,
0.2100

■ 53.6637, 0.3107,
0.3224

■ 17.7895, 0.2571,
0.1802

■ 64.4480, 0.3176,
0.3457

■ 13.8327, 0.2432,
0.1522

■ 76.5489, 0.3234,
0.3668

■ 10.7933, 0.2293,
0.1274

■ 90.0099, 0.3283,
0.3856

■ 8.5873, 0.2159,
0.1073

■ 93.6707, 0.3349,
0.3872

■ 7.1147, 0.2036,
0.0927

■ 95.5472, 0.3419,
0.3859

■ 6.3727, 0.1955,
0.0851

■ 96.8583, 0.3466,
0.3850

Harmonies

Analogous

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



35.8584, 0.2602, 0.2645



35.8584, 0.2931, 0.2692



35.8584, 0.3335, 0.2874

Triad

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



35.8584, 0.2931, 0.2692



35.8584, 0.3884, 0.3779



35.8584, 0.2575, 0.3397

Complementary

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



35.8584, 0.2931, 0.2692



52.0484, 0.3290, 0.3884

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.



35.8584, 0.2891, 0.3766



35.8584, 0.2931, 0.2692



35.8584, 0.3651, 0.3977

Square

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



35.8584, 0.2931, 0.2692



35.8584, 0.3905, 0.3477



35.8584, 0.3285, 0.3984



35.8584, 0.2407, 0.3022

Rectangle

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



35.8584, 0.2931, 0.2692



35.8584, 0.3591, 0.3053



35.8584, 0.3285, 0.3984



35.8584, 0.2666, 0.3528

Sweetspot

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



35.8599, 0.2931, 0.2692



87.3735, 0.3073, 0.3115



42.5973, 0.2773, 0.3013



18.4798, 0.3068, 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.



35.8599, 0.2931, 0.2692



57.3475, 0.2882, 0.2557



38.5662, 0.3132, 0.2727



10.5259, 0.3054, 0.3056



4.1932, 0.1969, 0.0858



0.2415, 0.2205, 0.0988

Inverse Universe

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



37.9668, 0.3349, 0.2983



61.7625, 0.3407, 0.2917



49.6922, 0.3115, 0.3917



10.7300, 0.3208, 0.3167



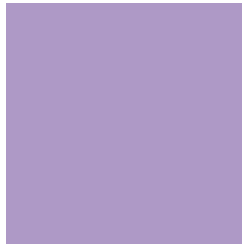
8.4970, 0.4799, 0.2417



0.4169, 0.4380, 0.2186

Previews

White Background



This preview shows how the Yxy color 35.8584, 0.2931, 0.2692 looks on a white background.

Color Contrast Check

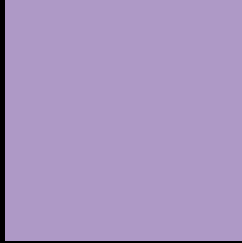
Large Text (above 18pt) WCAG AA × Fail

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 35.8584, 0.2931, 0.2692 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

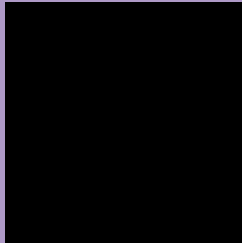
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8584, 0.2931, 0.2692

Background



This preview shows how black text looks on a background with the Yxy color 35.8584, 0.2931, 0.2692.



This preview shows how white text looks on a background with the Yxy color 35.8584, 0.2931, 0.2692.

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

35.8584, 0.2931, 0.2692

Protanopia

36.0327, 0.2701, 0.2695

Deuteranopia

35.8559, 0.2810, 0.2752



Tritanopia

35.9020, 0.3135, 0.3121

Trichromacy



Original Color

35.8584, 0.2931, 0.2692

Protanomaly

35.7019, 0.2778, 0.2688

Deuteranomaly

35.7007, 0.2851, 0.2731

Tritanomaly

35.7301, 0.3057, 0.2958

Monochromacy



Original Color

35.8584, 0.2931, 0.2692

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.6010, 0.3062, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8584, 0.2931, 0.2692 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(174, 153, 198)` looks like.

```
.text, #text, p{  
    color:rgb(174, 153, 198)  
}
```

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(174, 153, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 153, 198) }
```

Border

The CSS property to change the border of an element to Yxy 35.8584, 0.2931, 0.2692 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(174, 153, 198) }
```

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

```
.border{ border-color:rgb(174, 153, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 153, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 153, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 153, 198);  
box-shadow:4px 4px 4px 4px rgb(174, 153,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8584, 0.2931, 0.2692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 153, 198) }
```

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

```
.background{ background-color: rgb(174,  
153, 198) }
```

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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