

Converting Colors

$Y_{xy}(35.7305, 0.2856, 0.2515)$

Have a look what the booklet for
Yxy(35.7305, 0.2856, 0.2515)
contains.

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Color

Yxy(35.8129, 0.2860, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	B196D2
RGB	177, 150, 210
RGB Percent	69%, 59%, 82%
CMY	0.3057, 0.4118, 0.1765
CMYK	0.16, 0.29, 0.00, 0.18
HSL	267°, 40%, 71%
HSV	267°, 29%, 82%
XYZ	40.6771, 35.8129, 65.7376
YIQ	164.9130, -3.1680, 24.3840

Conversions

Conversions Part 2

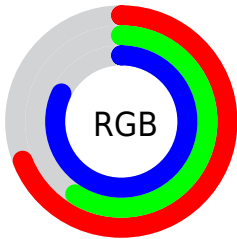
Format	Color
RYB	177, 150, 210
Decimal	11638482
CIELab	66.38, 21.72, -27.01
CIELCh	66, 34.661, 308.813
Yxy	35.8129, 0.2860, 0.2518
Android (android.graphics.Color)	4289828562 (0xFFB196D2)
YUV	164.9130, 22.2279, 10.6003
Hunter-Lab	59.8439, 16.6032, -23.2384

Details

The Yxy color **35.8129, 0.2860, 0.2518** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **58.3524, 0.3338, 0.4052**, and the grayscale version is **37.4782, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7294, 0.2992, 0.2767**, and **15.5753, 0.2777, 0.2314** is the 20% darker color. If you saturate the color by 10%, you get **28.4050, 0.2740, 0.2217**, and if you desaturate by 10%, it is **44.5390, 0.2966, 0.2807**.

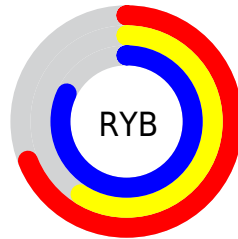
Distribution



Red (69%)

Green (59%)

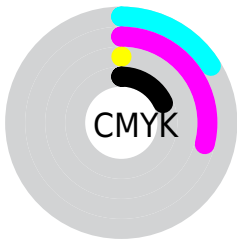
Blue (82%)



Red (69%)

Yellow (59%)

Blue (82%)

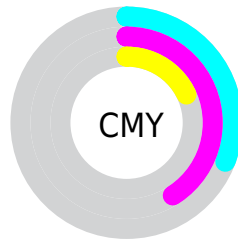


Cyan (16%)

Magenta (29%)

Yellow (0%)

Black (18%)



Cyan (31%)


Magenta (41%)

Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.8129, 0.2860, 0.2518 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 35.8129, 0.2860, 0.2518 by changing the saturation by 10% instead.

 35.8129, 0.2860,
0.2518


 35.8129, 0.2860,
0.2518


328.1420, 0.3004,
0.2899

 24.2897, 0.2821,
0.2425


 68.7432, 0.2915,
0.2655

 15.5487, 0.2770,
0.2308


 90.9191, 0.2934,
0.2707

 9.2054, 0.2699,
0.2156


117.4147, 0.2951,
0.2751

 4.8754, 0.2596,
0.1950

148.6144, 0.2965,
0.2789

 2.1743, 0.2435,
0.1660

184.9026, 0.2977,
0.2821

 0.7059, 0.2163,
0.1217

226.6637, 0.2987,

 0.0000, 0.0884,

0.2850

0.0000

274.2820, 0.2996,
0.2876

0.0000, 0.0000,
0.0000

35.8129, 0.2860,
0.2518

35.8129, 0.2860,
0.2518

28.4050, 0.2740,
0.2217

44.5390, 0.2966,
0.2807

22.2441, 0.2608,
0.1914

54.6411, 0.3059,
0.3076

17.2583, 0.2468,
0.1621


66.1786, 0.3138,
0.3324


13.3670, 0.2324,
0.1355


79.2062, 0.3205,
0.3548

10.4783, 0.2184,
0.1131


93.7758, 0.3261,
0.3750

 8.4848, 0.2054,
0.0961

 95.8079, 0.3336,
0.3739

 7.2222, 0.1938,
0.0847

 97.4329, 0.3394,
0.3731

 7.0686, 0.1923,
0.0833

Harmonies

Analogous

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



35.8129, 0.2438, 0.2454



35.8129, 0.2860, 0.2518



35.8129, 0.3393, 0.2749

Triad

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



35.8129, 0.2860, 0.2518



35.8129, 0.4125, 0.3912



35.8129, 0.2404, 0.3429

Complementary

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



35.8129, 0.2860, 0.2518



58.3524, 0.3338, 0.4052

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.



35.8129, 0.2811, 0.3938



35.8129, 0.2860, 0.2518



35.8129, 0.3810, 0.4194

Square

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



35.8129, 0.2860, 0.2518



35.8129, 0.4161, 0.3514



35.8129, 0.3326, 0.4229



35.8129, 0.2193, 0.2925

Rectangle

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



35.8129, 0.2860, 0.2518



35.8129, 0.3738, 0.2974



35.8129, 0.3326, 0.4229



35.8129, 0.2521, 0.3609

Sweetspot

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



35.8144, 0.2860, 0.2518



83.9090, 0.3054, 0.3063



44.9997, 0.2678, 0.2929



17.4406, 0.3041, 0.3024



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.



35.8144, 0.2860, 0.2518



48.6578, 0.2792, 0.2344



39.7268, 0.3132, 0.2578



11.6749, 0.3051, 0.3055



4.3699, 0.1938, 0.0841



0.2911, 0.2146, 0.0956

Inverse Universe

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



38.9266, 0.3414, 0.2888



54.3294, 0.3492, 0.2803



55.0637, 0.3110, 0.4108



11.9153, 0.3206, 0.3163



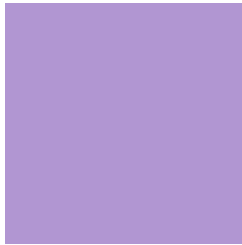
9.1379, 0.4739, 0.2384



0.5268, 0.4383, 0.2188

Previews

White Background



This preview shows how the Yxy color 35.8129, 0.2860, 0.2518 looks on a white background.

Color Contrast Check

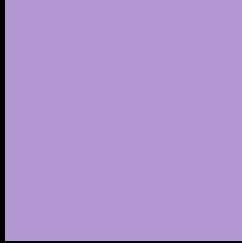
Large Text (above 18pt) WCAG AA × Fail

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 35.8129, 0.2860, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

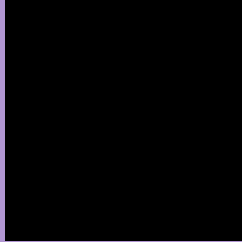
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.8129, 0.2860, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 35.8129, 0.2860, 0.2518.



This preview shows how white text looks on a background with the Yxy color 35.8129, 0.2860, 0.2518.

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

35.8129, 0.2860, 0.2518

Protanopia

35.8258, 0.2558, 0.2504

Deuteranopia

36.0257, 0.2672, 0.2621



Tritanopia

35.9020, 0.3135, 0.3121

Trichromacy



Original Color

35.8129, 0.2860, 0.2518

Protanomaly

35.8001, 0.2666, 0.2517

Deuteranomaly

35.9575, 0.2735, 0.2581

Tritanomaly

35.8297, 0.3032, 0.2881

Monochromacy



Original Color

35.8129, 0.2860, 0.2518

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.9128, 0.3029, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.8129, 0.2860, 0.2518 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(177, 150, 210)` looks like.

```
.text, #text, p{  
    color:rgb(177, 150, 210)  
}
```

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(177, 150, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 150, 210) }
```

Border

The CSS property to change the border of an element to Yxy 35.8129, 0.2860, 0.2518 is called "border". The border property can be set on classes, ids or directly on the HTML element.

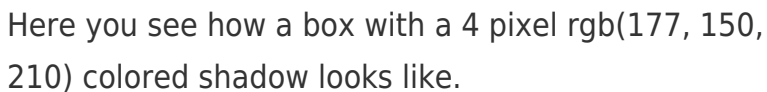
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 150, 210) }
```

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

```
.border{ border-color:rgb(177, 150, 210) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 150, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 150, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 150, 210);  
box-shadow:4px 4px 4px 4px rgb(177, 150,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 35.8129, 0.2860, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 150, 210) }
```

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

```
.background{ background-color: rgb(177,  
150, 210) }
```

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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