

Converting Colors

$Y_{xy}(35.6465, 0.3002, 0.2317)$

Have a look what the booklet for
Yxy(35.6465, 0.3002, 0.2317)
contains.

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Color

Yxy(35.6152, 0.3002, 0.2313)

Conversions

Conversions Part 1

Format	Color
Hex	CA89DC
RGB	202, 137, 220
RGB Percent	79%, 54%, 86%
CMY	0.2077, 0.4628, 0.1373
CMYK	0.08, 0.38, 0.00, 0.14
HSL	287°, 54%, 70%
HSV	287°, 38%, 86%
XYZ	46.2243, 35.6152, 72.1389
YIQ	165.8970, 12.0970, 39.5930

Conversions

Conversions Part 2

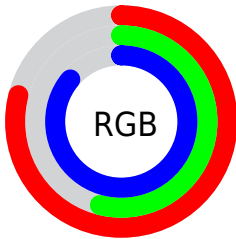
Format	Color
R_{YB}	202, 137, 220
Decimal	13273564
CIE _{Lab}	66.22, 38.78, -32.59
CIE _{LCh}	66, 50.656, 319.961
Yxy	35.6152, 0.3002, 0.2313
Android (android.graphics.Color)	4291463644 (0xFFCA89DC)
YUV	165.8970, 26.6728, 31.6623
Hunter-Lab	59.6785, 33.8209, -29.8944

Details

The Yxy color **35.6152, 0.3002, 0.2313** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **59.9501, 0.3195, 0.4392**, and the grayscale version is **37.9465, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **15.4167, 0.2947, 0.2058** is the 20% darker color. If you saturate the color by 10%, you get **29.3333, 0.2955, 0.2057**, and if you desaturate by 10%, it is **43.1955, 0.3043, 0.2578**.

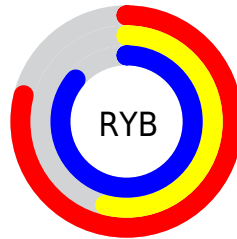
Distribution



Red (79%)

Green (54%)

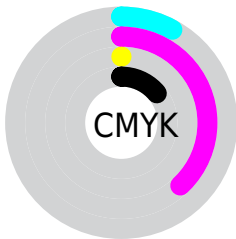
Blue (86%)



Red (79%)

Yellow (54%)

Blue (86%)

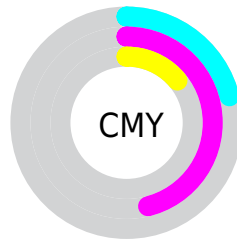


Cyan (8%)

Magenta (38%)

Yellow (0%)

Black (14%)



Cyan (21%)


Magenta (46%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.6152, 0.3002, 0.2313 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 35.6152, 0.3002, 0.2313 by changing the saturation by 10% instead.


 35.6152, 0.3002,
0.2313


 35.6152, 0.3002,
0.2313

327.2755, 0.3080,
0.2781


 24.1372, 0.2978,
0.2203


 68.4377, 0.3034,
0.2478

 15.4354, 0.2946,
0.2067

 90.5510, 0.3044,
0.2541

 9.1255, 0.2899,
0.1893


 116.9781, 0.3053,
0.2596

 4.8231, 0.2828,
0.1667

148.1035, 0.3061,
0.2643

 2.1439, 0.2711,
0.1363

184.3115, 0.3067,
0.2684

 0.6891, 0.2506,
0.0932

225.9866, 0.3072,


 0.0000, 0.2071,


0.2720


0.0000


273.5132, 0.3076,
0.2753

 0.0000, 0.0000,
0.0000

 35.6152, 0.3002,
0.2313


 35.6152, 0.3002,
0.2313

 29.3333, 0.2955,
0.2057


 43.1955, 0.3043,
0.2578


 24.2672, 0.2903,
0.1820


 52.1414, 0.3079,
0.2843


 20.3316, 0.2847,
0.1615


 62.5206, 0.3108,
0.3100

 17.4282, 0.2789,
0.1449


 74.3950, 0.3132,
0.3344

 15.4415, 0.2730,
0.1329


 87.8230, 0.3151,
0.3572


 14.2117, 0.2673,
0.1254

 93.6078, 0.3176,
0.3648

 13.9798, 0.2660,
0.1239

 94.4091, 0.3207,
0.3645

 95.2320, 0.3237,
0.3642

 96.0769, 0.3268,
0.3638

Harmonies

Analogous

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



35.6152, 0.2337, 0.2131



35.6152, 0.3002, 0.2313



35.6152, 0.3797, 0.2691

Triad

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



35.6152, 0.3002, 0.2313



35.6152, 0.4411, 0.4311



35.6152, 0.1955, 0.3170

Complementary

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



35.6152, 0.3002, 0.2313



59.9501, 0.3195, 0.4392

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.



35.6152, 0.2411, 0.3999



35.6152, 0.3002, 0.2313



35.6152, 0.3828, 0.4679

Square

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



35.6152, 0.3002, 0.2313



35.6152, 0.4661, 0.3767



35.6152, 0.3096, 0.4611



35.6152, 0.1797, 0.2525

Rectangle

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



35.6152, 0.3002, 0.2313



35.6152, 0.4263, 0.3021



35.6152, 0.3096, 0.4611



35.6152, 0.2074, 0.3441

Sweetspot

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



35.6167, 0.3002, 0.2313



82.2575, 0.3099, 0.3015



33.9196, 0.2474, 0.2401



17.1765, 0.3095, 0.2980



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.



35.6167, 0.3002, 0.2313



42.8995, 0.2966, 0.2116



37.1108, 0.3397, 0.2601



13.1253, 0.3104, 0.3057



8.2561, 0.2669, 0.1244



0.5709, 0.2762, 0.1295

Inverse Universe

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



35.4688, 0.3847, 0.3075



42.8090, 0.4071, 0.3033



59.0536, 0.2937, 0.4101



13.0974, 0.3258, 0.3240



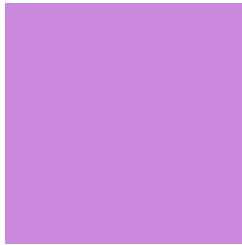
9.0668, 0.6020, 0.3090



0.6003, 0.5561, 0.2837

Previews

White Background



This preview shows how the Yxy color 35.6152, 0.3002, 0.2313 looks on a white background.

Color Contrast Check

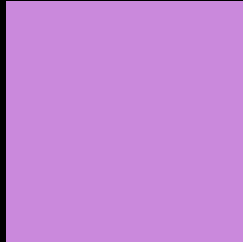
Large Text (above 18pt) WCAG AA × Fail

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 35.6152, 0.3002, 0.2313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

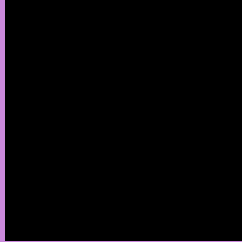
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.6152, 0.3002, 0.2313

Background



This preview shows how black text looks on a background with the Yxy color 35.6152, 0.3002, 0.2313.

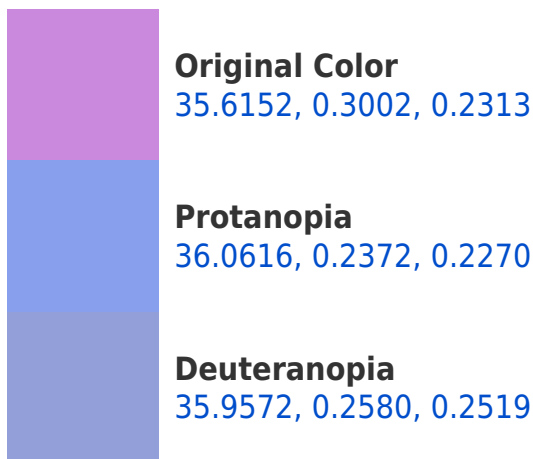


This preview shows how white text looks on a background with the Yxy color 35.6152, 0.3002, 0.2313.

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





Tritanopia

35.4056, 0.3465, 0.3131

Trichromacy



Original Color

35.6152, 0.3002, 0.2313



Protanomaly

35.2737, 0.2561, 0.2270



Deuteranomaly

35.3585, 0.2721, 0.2434



Tritanomaly

35.3640, 0.3291, 0.2816

Monochromacy



Original Color

35.6152, 0.3002, 0.2313



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

36.5716, 0.3080, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.6152, 0.3002, 0.2313 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(202, 137, 220)` looks like.

```
.text, #text, p{  
    color:rgb(202, 137, 220)  
}
```

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(202, 137, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 137, 220) }
```

Border

The CSS property to change the border of an element to Yxy 35.6152, 0.3002, 0.2313 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(202, 137, 220) }
```

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

```
.border{ border-color:rgb(202, 137, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 137, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 137, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 137, 220);  
box-shadow:4px 4px 4px 4px rgb(202, 137,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 35.6152, 0.3002, 0.2313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 137, 220) }
```

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

```
.background{ background-color: rgb(202,  
137, 220) }
```

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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