

Converting Colors

$Y_{xy}(35.0161, 0.2859, 0.2328)$

Have a look what the booklet for
Yxy(35.0161, 0.2859, 0.2328)
contains.

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Color

Yxy(35.0781, 0.2865, 0.2333)

Conversions

Conversions Part 1

Format	Color
Hex	BB8EDC
RGB	187, 142, 220
RGB Percent	73%, 56%, 86%
CMY	0.2668, 0.4431, 0.1373
CMYK	0.15, 0.35, 0.00, 0.14
HSL	275°, 53%, 71%
HSV	275°, 35%, 86%
XYZ	43.0770, 35.0781, 72.2010
YIQ	164.3470, 1.7820, 33.7980

Conversions

Conversions Part 2

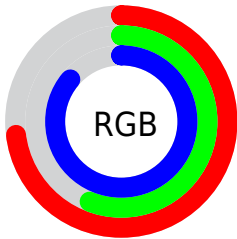
Format	Color
RYB	187, 142, 220
Decimal	12291804
CIELab	65.81, 31.44, -33.35
CIElCh	66, 45.836, 313.307
Yxy	35.0781, 0.2865, 0.2333
Android (android.graphics.Color)	4290481884 (0xFFBB8EDC)
YUV	164.3470, 27.4369, 19.8667
Hunter-Lab	59.2268, 26.1805, -30.8194

Details

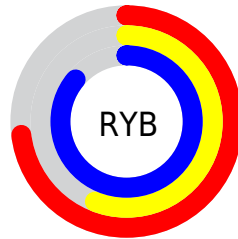
The Yxy color **35.0781, 0.2865, 0.2333** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.2520, 0.3310, 0.4279**, and the grayscale version is **37.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9330, 0.3073, 0.2698**, and **15.1853, 0.2773, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **28.0286, 0.2766, 0.2045**, and if you desaturate by 10%, it is **43.4985, 0.2953, 0.2620**.

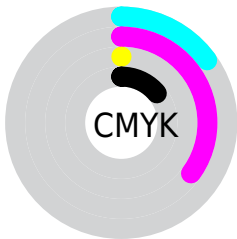
Distribution



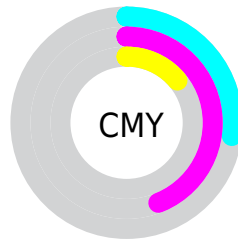
- Red (73%)
- Green (56%)
- Blue (86%)



- Red (73%)
- Yellow (56%)
- Blue (86%)



- Cyan (15%)
- Magenta (35%)
- Yellow (0%)
- Black (14%)





- Cyan (27%)
- Magenta (44%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.0781, 0.2865, 0.2333 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 35.0781, 0.2865, 0.2333 by changing the saturation by 10% instead.


 35.0781, 0.2865,
0.2333


 35.0781, 0.2865,
0.2333


324.9129, 0.3011,
0.2796


 23.7230, 0.2825,
0.2223


 67.6067, 0.2921,
0.2497

 15.1283, 0.2771,
0.2086


 89.5491, 0.2941,
0.2560

 8.9095, 0.2697,
0.1911


 115.7894, 0.2958,
0.2614

 4.6822, 0.2589,
0.1681

146.7119, 0.2972,
0.2660

 2.0620, 0.2421,
0.1371

182.7012, 0.2984,
0.2701

 0.6431, 0.2142,
0.0918

224.1415, 0.2994,

 0.0000, 0.1341,

0.2736

0.0000

271.4173, 0.3003,
0.2768

0.0000, 0.0000,
0.0000

35.0781, 0.2865,
0.2333

35.0781, 0.2865,
0.2333

28.0286, 0.2766,
0.2045

43.4985, 0.2953,
0.2620

22.2679, 0.2659,
0.1767

53.3570, 0.3030,
0.2896

17.7116, 0.2546,
0.1513


64.7213, 0.3096,
0.3156


14.2630, 0.2431,
0.1296


77.6538, 0.3151,
0.3397


11.8100, 0.2320,
0.1127

92.2131, 0.3198,
0.3617

 10.2150, 0.2215,
0.1010

 95.7178, 0.3255,
0.3640

 9.6648, 0.2170,
0.0969

 97.4166, 0.3315,
0.3633

 97.9466, 0.3334,
0.3631

Harmonies

Analogous

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



35.0781, 0.2297, 0.2212



35.0781, 0.2865, 0.2333



35.0781, 0.3581, 0.2649

Triad

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



35.0781, 0.2865, 0.2333



35.0781, 0.4390, 0.4138



35.0781, 0.2122, 0.3350

Complementary

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



35.0781, 0.2865, 0.2333



62.2520, 0.3310, 0.4279

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.



35.0781, 0.2604, 0.4083



35.0781, 0.2865, 0.2333



35.0781, 0.3916, 0.4513

Square

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



35.0781, 0.2865, 0.2333



35.0781, 0.4520, 0.3627



35.0781, 0.3260, 0.4539



35.0781, 0.1908, 0.2705

Rectangle

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



35.0781, 0.2865, 0.2333



35.0781, 0.4032, 0.2942



35.0781, 0.3260, 0.4539



35.0781, 0.2255, 0.3600

Sweetspot

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



35.0796, 0.2865, 0.2333



81.2069, 0.3060, 0.3012



41.8940, 0.2550, 0.2700



16.9254, 0.3051, 0.2976



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.



35.0796, 0.2865, 0.2333



41.0694, 0.2788, 0.2105



39.4614, 0.3215, 0.2467



12.9859, 0.3071, 0.3055



5.7398, 0.2185, 0.0977



0.4222, 0.2347, 0.1067

Inverse Universe

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



37.6626, 0.3611, 0.2898



45.4143, 0.3769, 0.2810



59.0458, 0.3047, 0.4280



13.1426, 0.3226, 0.3191



9.4168, 0.5270, 0.2677



0.6271, 0.4854, 0.2447

Previews

White Background



This preview shows how the Yxy color 35.0781, 0.2865, 0.2333 looks on a white background.

Color Contrast Check

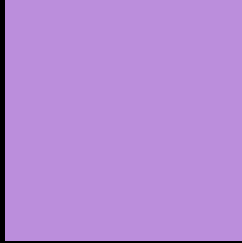
Large Text (above 18pt) WCAG AA × Fail

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 35.0781, 0.2865, 0.2333 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

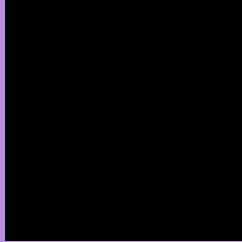
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.0781, 0.2865, 0.2333

Background



This preview shows how black text looks on a background with the Yxy color 35.0781, 0.2865, 0.2333.



This preview shows how white text looks on a background with the Yxy color 35.0781, 0.2865, 0.2333.

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

35.0781, 0.2865, 0.2333

Protanopia

35.5142, 0.2404, 0.2310

Deuteranopia

35.3928, 0.2549, 0.2489



Tritanopia

34.9641, 0.3265, 0.3124

Trichromacy



Original Color

35.0781, 0.2865, 0.2333

Protanomaly

35.0265, 0.2551, 0.2306

Deuteranomaly

34.9920, 0.2657, 0.2423

Tritanomaly

34.8214, 0.3110, 0.2809

Monochromacy



Original Color

35.0781, 0.2865, 0.2333

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.0083, 0.3031, 0.2907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.0781, 0.2865, 0.2333 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(187, 142, 220)` looks like.

```
.text, #text, p{  
    color:rgb(187, 142, 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(187, 142, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 142, 220) }
```

Border

The CSS property to change the border of an element to Yxy 35.0781, 0.2865, 0.2333 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(187, 142, 220) }
```

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

```
.border{ border-color:rgb(187, 142, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 142, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(187, 142, 220); -webkit-box-shadow:4px 4px 4px 4px rgb(187, 142, 220); box-shadow:4px 4px 4px 4px rgb(187, 142, 220) }
```


Background

The CSS property to change the background color of an element to Yxy 35.0781, 0.2865, 0.2333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 142, 220) }
```

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

```
.background{ background-color: rgb(187,  
142, 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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