

Converting Colors

$Yxy(35.2826, 0.2826, 0.2395)$

Have a look what the booklet for
Yxy(35.2826, 0.2826, 0.2395)
contains.

Yxy(35.2708, 0.2829, 0.2397)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(35.2708, 0.2829, 0.2397)

Conversions

Conversions Part 1

Format	Color
Hex	B492D9
RGB	180, 146, 217
RGB Percent	71%, 57%, 85%
CMY	0.2940, 0.4275, 0.1491
CMYK	0.17, 0.33, 0.00, 0.15
HSL	269°, 48%, 71%
HSV	269°, 33%, 85%
XYZ	41.6275, 35.2708, 70.2473
YIQ	164.2600, -2.5270, 29.2890

Conversions

Conversions Part 2

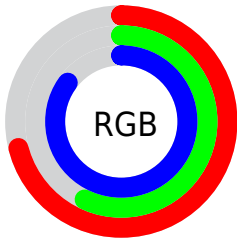
Format	Color
RYB	180, 146, 217
Decimal	11834073
CIELab	65.96, 26.44, -31.51
CIELCh	66, 41.131, 309.999
Yxy	35.2708, 0.2829, 0.2397
Android (android.graphics.Color)	4290024153 (0xFFB492D9)
YUV	164.2600, 26.0008, 13.8040
Hunter-Lab	59.3892, 21.1843, -28.5575

Details

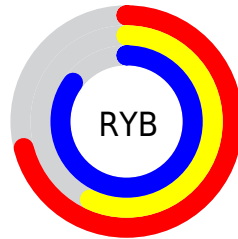
The Yxy color **35.2708, 0.2829, 0.2397** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **61.7542, 0.3351, 0.4179**, and the grayscale version is **37.1309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5331, 0.3021, 0.2730**, and **15.2287, 0.2724, 0.2158** is the 20% darker color. If you saturate the color by 10%, you get **27.9042, 0.2710, 0.2097**, and if you desaturate by 10%, it is **44.0203, 0.2935, 0.2690**.

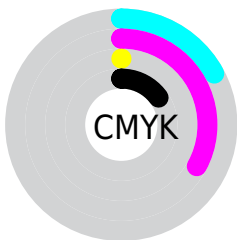
Distribution



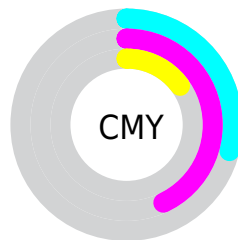
- Red (71%)
- Green (57%)
- Blue (85%)



- Red (71%)
- Yellow (57%)
- Blue (85%)



- Cyan (17%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)





- Cyan (29%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.2708, 0.2829, 0.2397 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 35.2708, 0.2829, 0.2397 by changing the saturation by 10% instead.


 35.2708, 0.2829,
0.2397


 35.2708, 0.2829,
0.2397


325.7620, 0.2991,
0.2833

 23.8716, 0.2785,
0.2293


 67.9051, 0.2891,
0.2552

 15.2384, 0.2727,
0.2162


 89.9089, 0.2913,
0.2612

 8.9868, 0.2647,
0.1993


116.2163, 0.2931,
0.2662

 4.7326, 0.2532,
0.1769

147.2118, 0.2947,
0.2706

 2.0912, 0.2354,
0.1462

183.2797, 0.2961,
0.2744

 0.6597, 0.2060,
0.1007

224.8045, 0.2972,

 0.0000, 0.1025,

0.2777

0.0000

272.1704, 0.2982,
0.2806

0.0000, 0.0000,
0.0000

35.2708, 0.2829,
0.2397

35.2708, 0.2829,
0.2397

27.9042, 0.2710,
0.2097

44.0203, 0.2935,
0.2690

21.8416, 0.2581,
0.1800

54.2172, 0.3028,
0.2967

17.0024, 0.2445,
0.1521

65.9272, 0.3108,
0.3224

13.2950, 0.2307,
0.1275

79.2106, 0.3175,
0.3459

10.6144, 0.2175,
0.1076

94.1243, 0.3232,
0.3670

■ 8.8342, 0.2053,
0.0934

■ 96.4504, 0.3305,
0.3667

■ 7.9524, 0.1973,
0.0861

■ 97.7889, 0.3352,
0.3661

Harmonies

Analogous

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



35.2708, 0.2332, 0.2310



35.2708, 0.2829, 0.2397



35.2708, 0.3465, 0.2670

Triad

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



35.2708, 0.2829, 0.2397



35.2708, 0.4298, 0.4022



35.2708, 0.2257, 0.3422

Complementary

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



35.2708, 0.2829, 0.2397



61.7542, 0.3351, 0.4179

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.



35.2708, 0.2722, 0.4055



35.2708, 0.2829, 0.2397



35.2708, 0.3905, 0.4368

Square

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



35.2708, 0.2829, 0.2397



35.2708, 0.4366, 0.3555



35.2708, 0.3325, 0.4418



35.2708, 0.2029, 0.2825

Rectangle

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



35.2708, 0.2829, 0.2397



35.2708, 0.3877, 0.2931



35.2708, 0.3325, 0.4418



35.2708, 0.2389, 0.3644

Sweetspot

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



35.2722, 0.2829, 0.2397



82.3640, 0.3050, 0.3037



45.3412, 0.2609, 0.2851



17.1377, 0.3038, 0.2999



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.



35.2722, 0.2829, 0.2397



43.5736, 0.2751, 0.2198



39.9552, 0.3143, 0.2476



12.9218, 0.3055, 0.3054



4.8770, 0.1988, 0.0869



0.3671, 0.2168, 0.0968

Inverse Universe

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



38.7235, 0.3490, 0.2849



49.4073, 0.3592, 0.2758



58.0221, 0.3098, 0.4252



13.1642, 0.3211, 0.3169



9.6729, 0.4862, 0.2452



0.6440, 0.4520, 0.2264

Previews

White Background



This preview shows how the Yxy color 35.2708, 0.2829, 0.2397 looks on a white background.

Color Contrast Check

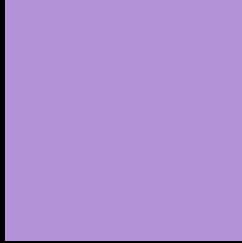
Large Text (above 18pt) WCAG AA × Fail

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 35.2708, 0.2829, 0.2397 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

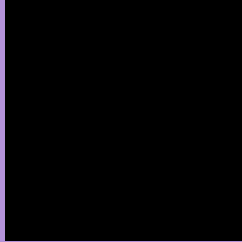
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.2708, 0.2829, 0.2397

Background



This preview shows how black text looks on a background with the Yxy color 35.2708, 0.2829, 0.2397.



This preview shows how white text looks on a background with the Yxy color 35.2708, 0.2829, 0.2397.

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

35.2708, 0.2829, 0.2397

Protanopia

35.4337, 0.2458, 0.2380

Deuteranopia

35.4710, 0.2577, 0.2515



Tritanopia

35.3747, 0.3174, 0.3122

Trichromacy



Original Color

35.2708, 0.2829, 0.2397

Protanomaly

35.3089, 0.2579, 0.2384

Deuteranomaly

35.3382, 0.2658, 0.2468

Tritanomaly

35.1156, 0.3043, 0.2829

Monochromacy



Original Color

35.2708, 0.2829, 0.2397

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.0789, 0.3021, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.2708, 0.2829, 0.2397 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(180, 146, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 217)  
}
```

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(180, 146, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 217) }
```

Border

The CSS property to change the border of an element to Yxy 35.2708, 0.2829, 0.2397 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(180, 146, 217) }
```

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

```
.border{ border-color:rgb(180, 146, 217) }
```

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

Here you see how a box with a 4 pixel rgb(180, 146, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 35.2708, 0.2829, 0.2397 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 217) }
```

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

```
.background{ background-color: rgb(180,  
146, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor