

Converting Colors

$Y_{xy}(29.9281, 0.3342, 0.2585)$

Have a look what the booklet for
Yxy(29.9281, 0.3342, 0.2585)
contains.

Yxy(29.8328, 0.3347, 0.2587)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.8328, 0.3347, 0.2587)

Conversions

Conversions Part 1

Format	Color
Hex	C57DB4
RGB	197, 125, 180
RGB Percent	77%, 49%, 71%
CMY	0.2274, 0.5098, 0.2942
CMYK	0.00, 0.37, 0.09, 0.23
HSL	314°, 38%, 63%
HSV	314°, 37%, 77%
XYZ	38.5970, 29.8328, 46.8884
YIQ	152.7980, 25.2570, 32.3690

Conversions

Conversions Part 2

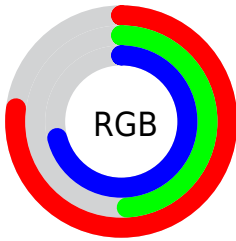
Format	Color
RYB	197, 125, 180
Decimal	12942772
CIELab	61.51, 36.17, -17.39
CIELCh	62, 40.133, 334.317
Yxy	29.8328, 0.3347, 0.2587
Android (android.graphics.Color)	4291132852 (0xFFC57DB4)
YUV	152.7980, 13.4106, 38.7652
Hunter-Lab	54.6194, 30.5536, -12.6643

Details

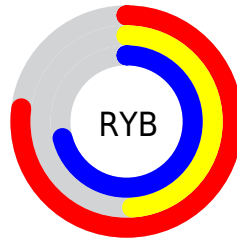
The Yxy color $29.8328, 0.3347, 0.2587$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $46.2513, 0.2965, 0.4117$, and the grayscale version is $31.6959, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5563, 0.3309, 0.2718$, and $12.1806, 0.3410, 0.2382$ is the 20% darker color. If you saturate the color by 10%, you get $25.1441, 0.3427, 0.2401$, and if you desaturate by 10%, it is $35.5199, 0.3276, 0.2782$.

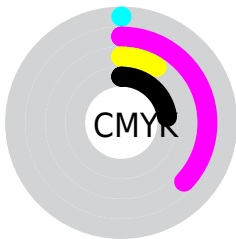
Distribution



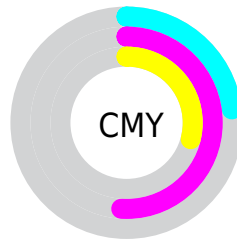
- Red (77%)
- Green (49%)
- Blue (71%)



- Red (77%)
- Yellow (49%)
- Blue (71%)



- Cyan (0%)
- Magenta (37%)
- Yellow (9%)
- Black (23%)





- Cyan (23%)
- Magenta (51%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8328, 0.3347, 0.2587 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 29.8328, 0.3347, 0.2587 by changing the saturation by 10% instead.


 29.8328, 0.3347,
0.2587


 29.8328, 0.3347,
0.2587


301.1243, 0.3239,
0.2943

 19.7117, 0.3373,
0.2497


 59.3977, 0.3308,
0.2717

 12.1857, 0.3406,
0.2382


 79.6102, 0.3293,
0.2766

 6.8703, 0.3449,
0.2228


 103.9554, 0.3281,
0.2807

 3.3811, 0.3507,
0.2014

132.8176, 0.3270,
0.2842

 1.3338, 0.3585,
0.1697

166.5812, 0.3261,
0.2872

 0.1671, 0.3931,
0.0621

205.6306, 0.3252,

 0.0000, 0.0000,

0.2899

0.0000

250.3501, 0.3245,
0.2922

■ 29.8328, 0.3347,
0.2587

■ 29.8328, 0.3347,
0.2587

■ 25.1441, 0.3427,
0.2401

■ 35.5199, 0.3276,
0.2782

■ 21.3908, 0.3514,
0.2234

■ 42.2552, 0.3213,
0.2978

■ 18.5092, 0.3606,
0.2096


■ 50.0904, 0.3158,
0.3169


■ 16.4260, 0.3701,
0.1995


■ 59.0722, 0.3112,
0.3352


■ 15.0555, 0.3796,
0.1940


■ 69.2447, 0.3073,
0.3524


 14.2862, 0.3888,
0.1930

 80.6499, 0.3039,
0.3685

 14.0862, 0.3919,
0.1933

 88.1755, 0.3012,
0.3754

 88.4151, 0.2987,
0.3701

 88.6615, 0.2961,
0.3649

Harmonies

Analogous

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



29.8328, 0.2707, 0.2340



29.8328, 0.3347, 0.2587



29.8328, 0.3982, 0.2984

Triad

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



29.8328, 0.3347, 0.2587



29.8328, 0.4023, 0.4349



29.8328, 0.2022, 0.2911

Complementary

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



29.8328, 0.3347, 0.2587



46.2513, 0.2965, 0.4117

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.



29.8328, 0.2305, 0.3555



29.8328, 0.3347, 0.2587



29.8328, 0.3449, 0.4478

Square

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



29.8328, 0.3347, 0.2587



29.8328, 0.4376, 0.3954



29.8328, 0.2819, 0.4183



29.8328, 0.2002, 0.2473

Rectangle

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



29.8328, 0.3347, 0.2587



29.8328, 0.4283, 0.3299



29.8328, 0.2819, 0.4183



29.8328, 0.2087, 0.3109

Sweetspot

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



29.8342, 0.3347, 0.2587



82.9707, 0.3183, 0.3081



24.4337, 0.2618, 0.2241



17.3476, 0.3190, 0.3055



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.



29.8342, 0.3347, 0.2587



46.4714, 0.3411, 0.2435



28.5600, 0.3764, 0.3035



10.7720, 0.3173, 0.3115



9.2777, 0.3908, 0.1926



0.4500, 0.3733, 0.1830

Inverse Universe

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



29.8342, 0.3347, 0.2587



46.4714, 0.3411, 0.2435



47.5037, 0.2736, 0.3566



10.7720, 0.3173, 0.3115



9.2777, 0.3908, 0.1926



0.4500, 0.3733, 0.1830

Previews

White Background



This preview shows how the Yxy color 29.8328, 0.3347, 0.2587 looks on a white background.

Color Contrast Check

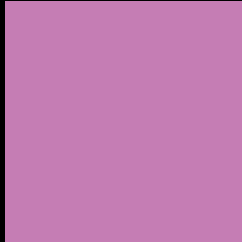
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8328, 0.3347, 0.2587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

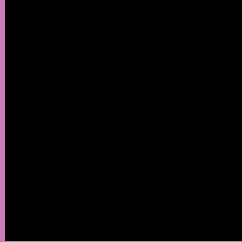
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8328, 0.3347, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 29.8328, 0.3347, 0.2587.



This preview shows how white text looks on a background with the Yxy color 29.8328, 0.3347, 0.2587.

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

29.8328, 0.3347, 0.2587

Protanopia

30.0872, 0.2610, 0.2570

Deuteranopia

29.8694, 0.2891, 0.2827



Tritanopia

29.6620, 0.3709, 0.3155

Trichromacy



Original Color

29.8328, 0.3347, 0.2587



Protanomaly

29.4520, 0.2843, 0.2566



Deuteranomaly

29.5668, 0.3049, 0.2735



Tritanomaly

29.5701, 0.3577, 0.2930

Monochromacy



Original Color

29.8328, 0.3347, 0.2587



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.7243, 0.3204, 0.3001

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8328, 0.3347, 0.2587 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(197, 125, 180)` looks like.

```
.text, #text, p{  
    color:rgb(197, 125, 180)  
}
```

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(197, 125, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 125, 180) }
```

Border

The CSS property to change the border of an element to Yxy 29.8328, 0.3347, 0.2587 is called "border". The border property can be set on classes, ids or directly on the HTML element.

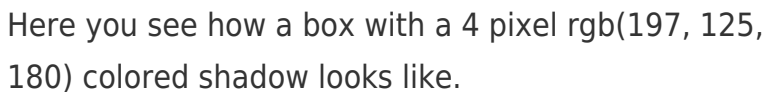
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 125, 180) }
```

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

```
.border{ border-color:rgb(197, 125, 180) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 125, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 125, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 125, 180); box-shadow:4px 4px 4px 4px rgb(197, 125, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8328, 0.3347, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 125, 180) }
```

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

```
.background{ background-color: rgb(197,  
125, 180) }
```

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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