

Converting Colors

$Y_{xy}(29.3777, 0.3325, 0.2580)$

Have a look what the booklet for
Yxy(29.3777, 0.3325, 0.2580)
contains.

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Color

Yxy(29.5646, 0.3325, 0.2582)

Conversions

Conversions Part 1

Format	Color
Hex	C37DB4
RGB	195, 125, 180
RGB Percent	76%, 49%, 71%
CMY	0.2354, 0.5097, 0.2942
CMYK	0.00, 0.36, 0.08, 0.24
HSL	313°, 37%, 63%
HSV	313°, 36%, 76%
XYZ	38.0722, 29.5646, 46.8660
YIQ	152.2000, 24.0650, 31.9450

Conversions

Conversions Part 2

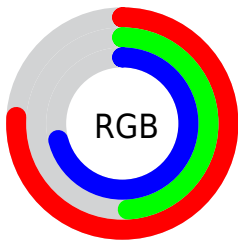
Format	Color
RYB	195, 125, 180
Decimal	12811700
CIELab	61.28, 35.49, -17.77
CIELCh	61, 39.687, 333.399
Yxy	29.5646, 0.3325, 0.2582
Android (android.graphics.Color)	4291001780 (0xFFC37DB4)
YUV	152.2000, 13.7054, 37.5356
Hunter-Lab	54.3733, 29.8322, -13.0424

Details

The Yxy color **29.5646, 0.3325, 0.2582** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.2787, 0.2978, 0.4123**, and the grayscale version is **31.4229, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1790, 0.3293, 0.2715**, and **12.0053, 0.3379, 0.2373** is the 20% darker color. If you saturate the color by 10%, you get **24.9356, 0.3397, 0.2391**, and if you desaturate by 10%, it is **35.1705, 0.3260, 0.2782**.

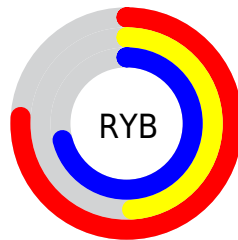
Distribution



Red (76%)

Green (49%)

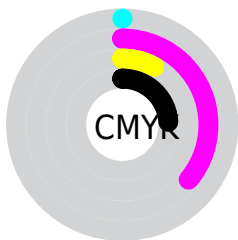
Blue (71%)



Red (76%)

Yellow (49%)

Blue (71%)

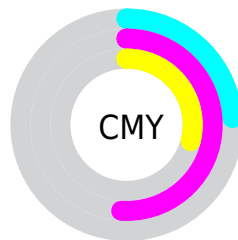


Cyan (0%)

Magenta (36%)

Yellow (8%)

Black (24%)



Cyan (24%)


Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5646, 0.3325, 0.2582 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 29.5646, 0.3325, 0.2582 by changing the saturation by 10% instead.


 29.5646, 0.3325,
0.2582


 29.5646, 0.3325,
0.2582


299.8697, 0.3228,
0.2941


 19.5083, 0.3348,
0.2491


 58.9729, 0.3291,
0.2713

 12.0382, 0.3377,
0.2375


 79.0938, 0.3277,
0.2762

 6.7697, 0.3414,
0.2219


 103.3383, 0.3266,
0.2804

 3.3185, 0.3463,
0.2002

132.0909, 0.3257,
0.2839

 1.3002, 0.3527,
0.1682

165.7359, 0.3248,
0.2870

 0.1413, 0.3864,
0.0540

204.6578, 0.3241,

 0.0000, 0.0000,

0.2896

0.0000

249.2409, 0.3234,
0.2920

■ 29.5646, 0.3325,
0.2582

■ 29.5646, 0.3325,
0.2582

■ 24.9356, 0.3397,
0.2391

■ 35.1705, 0.3260,
0.2782

■ 21.2224, 0.3476,
0.2219

■ 41.8016, 0.3203,
0.2982

■ 18.3635, 0.3558,
0.2075


■ 49.5079, 0.3153,
0.3178


■ 16.2880, 0.3643,
0.1968


■ 58.3350, 0.3110,
0.3366

■ 14.9135, 0.3728,
0.1906

■ 68.3256, 0.3074,
0.3543


 14.1367, 0.3809,
0.1890

 79.5203, 0.3043,
0.3707

 13.9050, 0.3842,
0.1890

 87.7361, 0.3018,
0.3793

 87.9464, 0.2995,
0.3746

 88.1621, 0.2973,
0.3698

Harmonies

Analogous

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



29.5646, 0.2693, 0.2342



29.5646, 0.3325, 0.2582



29.5646, 0.3959, 0.2973

Triad

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



29.5646, 0.3325, 0.2582



29.5646, 0.4031, 0.4332



29.5646, 0.2035, 0.2932

Complementary

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



29.5646, 0.3325, 0.2582



45.2787, 0.2978, 0.4123

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.



29.5646, 0.2324, 0.3574



29.5646, 0.3325, 0.2582



29.5646, 0.3466, 0.4470

Square

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



29.5646, 0.3325, 0.2582



29.5646, 0.4372, 0.3936



29.5646, 0.2840, 0.4190



29.5646, 0.2007, 0.2489

Rectangle

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



29.5646, 0.3325, 0.2582



29.5646, 0.4263, 0.3285



29.5646, 0.2840, 0.4190



29.5646, 0.2102, 0.3131

Sweetspot

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



29.5659, 0.3325, 0.2582



81.1415, 0.3178, 0.3076



24.1010, 0.2608, 0.2258



17.3569, 0.3185, 0.3048



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.



29.5659, 0.3325, 0.2582



46.3610, 0.3381, 0.2432



28.3472, 0.3718, 0.3009



10.2093, 0.3170, 0.3111



9.0519, 0.3832, 0.1884



0.4006, 0.3667, 0.1794

Inverse Universe

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



29.5659, 0.3325, 0.2582



46.3610, 0.3381, 0.2432



46.4402, 0.2757, 0.3595



10.2093, 0.3170, 0.3111



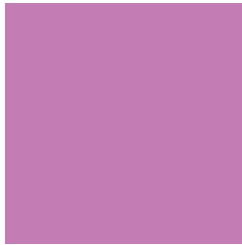
9.0519, 0.3832, 0.1884



0.4006, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 29.5646, 0.3325, 0.2582 looks on a white background.

Color Contrast Check

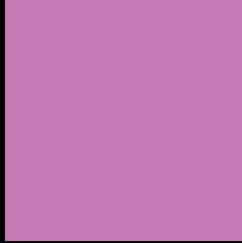
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5646, 0.3325, 0.2582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

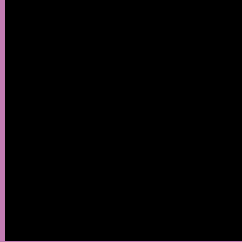
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5646, 0.3325, 0.2582

Background



This preview shows how black text looks on a background with the Yxy color 29.5646, 0.3325, 0.2582.



This preview shows how white text looks on a background with the Yxy color 29.5646, 0.3325, 0.2582.

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

29.5646, 0.3325, 0.2582

Protanopia

29.9585, 0.2609, 0.2581

Deuteranopia

29.7749, 0.2881, 0.2826



Tritanopia

29.4027, 0.3687, 0.3154

Trichromacy



Original Color

29.5646, 0.3325, 0.2582

Protanomaly

29.3510, 0.2834, 0.2564

Deuteranomaly

29.4583, 0.3039, 0.2734

Tritanomaly

29.3073, 0.3554, 0.2927

Monochromacy



Original Color

29.5646, 0.3325, 0.2582

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.2795, 0.3204, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5646, 0.3325, 0.2582 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(195, 125, 180)` looks like.

```
.text, #text, p{  
    color:rgb(195, 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(195, 125, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 125, 180) }
```

Border

The CSS property to change the border of an element to Yxy 29.5646, 0.3325, 0.2582 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(195, 125, 180) }
```

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

```
.border{ border-color:rgb(195, 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(195, 125, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 125, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 125, 180);  
box-shadow:4px 4px 4px 4px rgb(195, 125,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5646, 0.3325, 0.2582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 125, 180) }
```

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

```
.background{ background-color: rgb(195,  
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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