

Converting Colors

$Y_{xy}(29.8482, 0.3313, 0.2643)$

Have a look what the booklet for
Yxy(29.8482, 0.3313, 0.2643)
contains.

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Color

Yxy(29.8592, 0.3310, 0.2636)

Conversions

Conversions Part 1

Format	Color
Hex	C080B2
RGB	192, 128, 178
RGB Percent	75%, 50%, 70%
CMY	0.2471, 0.4980, 0.3018
CMYK	0.00, 0.33, 0.07, 0.25
HSL	313°, 34%, 63%
HSV	313°, 33%, 75%
XYZ	37.4939, 29.8592, 45.9215
YIQ	152.8360, 22.0940, 29.1180

Conversions

Conversions Part 2

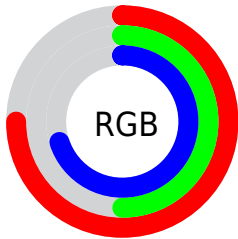
Format	Color
RYB	192, 128, 178
Decimal	12615858
CIELab	61.53, 32.51, -16.31
CIElCh	62, 36.369, 333.358
Yxy	29.8592, 0.3310, 0.2636
Android (android.graphics.Color)	4290805938 (0xFFC080B2)
YUV	152.8360, 12.4059, 34.3468
Hunter-Lab	54.6436, 26.8523, -11.5758

Details

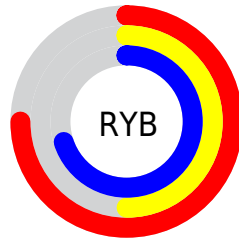
The Yxy color $29.8592, 0.3310, 0.2636$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $44.2374, 0.2986, 0.4049$, and the grayscale version is $31.7192, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.5361, 0.3274, 0.2759$, and $12.1068, 0.3359, 0.2439$ is the 20% darker color. If you saturate the color by 10%, you get $25.1510, 0.3381, 0.2443$, and if you desaturate by 10%, it is $35.5228, 0.3246, 0.2836$.

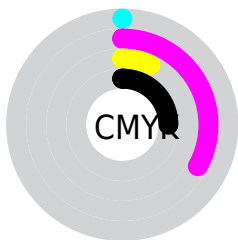
Distribution



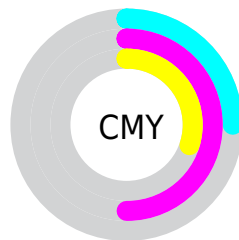
- Red (75%)
- Green (50%)
- Blue (70%)



- Red (75%)
- Yellow (50%)
- Blue (70%)



- Cyan (0%)
- Magenta (33%)
- Yellow (7%)
- Black (25%)





- Cyan (25%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8592, 0.3310, 0.2636 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 29.8592, 0.3310, 0.2636 by changing the saturation by 10% instead.

 29.8592, 0.3310,
0.2636


 29.8592, 0.3310,
0.2636


301.2476, 0.3220,
0.2969


 19.7317, 0.3332,
0.2552


 59.4394, 0.3278,
0.2758

 12.2002, 0.3359,
0.2442


 79.6610, 0.3266,
0.2803

 6.8802, 0.3395,
0.2296


 104.0161, 0.3255,
0.2842

 3.3873, 0.3442,
0.2091

132.8890, 0.3246,
0.2875

 1.3371, 0.3505,
0.1784

166.6643, 0.3238,
0.2903

 0.1697, 0.3838,
0.0678

205.7262, 0.3232,

 0.0000, 0.0000,

0.2928

0.0000

250.4592, 0.3225,
0.2949

■ 29.8592, 0.3310,
0.2636

■ 29.8592, 0.3310,
0.2636

■ 25.1510, 0.3381,
0.2443

■ 35.5228, 0.3246,
0.2836

■ 21.3406, 0.3459,
0.2266

■ 42.1873, 0.3190,
0.3034

■ 18.3703, 0.3543,
0.2114

■ 49.8999, 0.3142,
0.3228

■ 16.1741, 0.3629,
0.1997


■ 58.7038, 0.3100,
0.3412


■ 14.6760, 0.3715,
0.1924

■ 68.6397, 0.3065,
0.3584

 13.7848, 0.3799,
0.1896

 79.7462, 0.3035,
0.3744

 13.4105, 0.3854,
0.1897

 87.2479, 0.3011,
0.3818

 87.4560, 0.2988,
0.3770

 87.6697, 0.2966,
0.3722

Harmonies

Analogous

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



29.8592, 0.2730, 0.2413



29.8592, 0.3310, 0.2636



29.8592, 0.3886, 0.3001

Triad

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



29.8592, 0.3310, 0.2636



29.8592, 0.3962, 0.4250



29.8592, 0.2120, 0.2969

Complementary

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



29.8592, 0.3310, 0.2636



44.2374, 0.2986, 0.4049

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.



29.8592, 0.2391, 0.3553



29.8592, 0.3310, 0.2636



29.8592, 0.3446, 0.4362

Square

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



29.8592, 0.3310, 0.2636



29.8592, 0.4269, 0.3893



29.8592, 0.2870, 0.4105



29.8592, 0.2092, 0.2558

Rectangle

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



29.8592, 0.3310, 0.2636



29.8592, 0.4163, 0.3292



29.8592, 0.2870, 0.4105



29.8592, 0.2184, 0.3151

Sweetspot

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



29.8605, 0.3310, 0.2636



80.6661, 0.3174, 0.3096



24.9842, 0.2662, 0.2345



16.8958, 0.3181, 0.3069



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



29.8605, 0.3310, 0.2636



47.7053, 0.3361, 0.2494



28.7245, 0.3673, 0.3045



10.2087, 0.3170, 0.3112



9.0366, 0.3844, 0.1891



0.4000, 0.3676, 0.1799

Inverse Universe

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



29.8605, 0.3310, 0.2636



47.7053, 0.3361, 0.2494



45.3360, 0.2773, 0.3554



10.2087, 0.3170, 0.3112



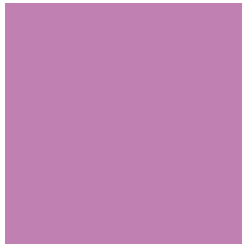
9.0366, 0.3844, 0.1891



0.4000, 0.3676, 0.1799

Previews

White Background



This preview shows how the Yxy color 29.8592, 0.3310, 0.2636 looks on a white background.

Color Contrast Check

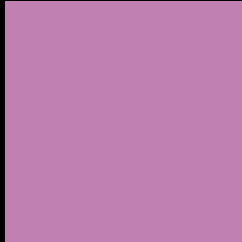
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8592, 0.3310, 0.2636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

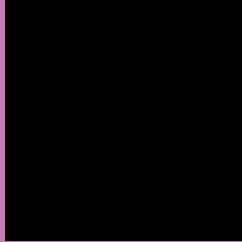
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8592, 0.3310, 0.2636

Background



This preview shows how black text looks on a background with the Yxy color 29.8592, 0.3310, 0.2636.



This preview shows how white text looks on a background with the Yxy color 29.8592, 0.3310, 0.2636.

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

29.8592, 0.3310, 0.2636

Protanopia

30.0765, 0.2656, 0.2625

Deuteranopia

29.9253, 0.2909, 0.2843



Tritanopia

29.7859, 0.3623, 0.3139

Trichromacy



Original Color

29.8592, 0.3310, 0.2636

Protanomaly

29.6131, 0.2869, 0.2619

Deuteranomaly

29.7068, 0.3048, 0.2761

Tritanomaly

29.7557, 0.3502, 0.2950

Monochromacy



Original Color

29.8592, 0.3310, 0.2636

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.7706, 0.3192, 0.3028

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8592, 0.3310, 0.2636 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(192, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(192, 128, 178)  
}
```

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(192, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 29.8592, 0.3310, 0.2636 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(192, 128, 178) }
```

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

```
.border{ border-color:rgb(192, 128, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(192, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8592, 0.3310, 0.2636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 128, 178) }
```

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

```
.background{ background-color: rgb(192,  
128, 178) }
```

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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