

Converting Colors

$Y_{xy}(29.5998, 0.3289, 0.2632)$

Have a look what the booklet for
Yxy(29.5998, 0.3289, 0.2632)
contains.

Yxy(29.5998, 0.3289, 0.2632)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.5998, 0.3289, 0.2632)

Conversions

Conversions Part 1

Format	Color
Hex	BE80B2
RGB	190, 128, 178
RGB Percent	75%, 50%, 70%
CMY	0.2549, 0.4980, 0.3020
CMYK	0.00, 0.33, 0.06, 0.25
HSL	312°, 32%, 62%
HSV	312°, 33%, 75%
XYZ	36.9885, 29.5998, 45.8729
YIQ	152.2380, 20.9020, 28.6940

Conversions

Conversions Part 2

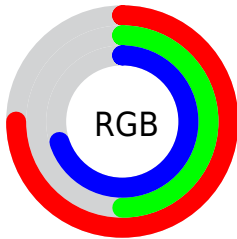
Format	Color
R _Y B	190, 128, 178
Decimal	12484786
CIE Lab	61.31, 31.82, -16.64
CIE LCh	61, 35.913, 332.390
Yxy	29.5998, 0.3289, 0.2632
Android (android.graphics.Color)	4290674866 (0xFFBE80B2)
YUV	152.2380, 12.7007, 33.1173
Hunter-Lab	54.4057, 26.1458, -11.9072

Details

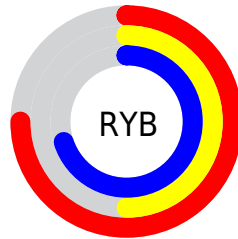
The Yxy color **29.5998, 0.3289, 0.2632** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.3110, 0.3000, 0.4053**, and the grayscale version is **31.4454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1706, 0.3258, 0.2756**, and **12.0227, 0.3343, 0.2435** is the 20% darker color. If you saturate the color by 10%, you get **24.9537, 0.3353, 0.2434**, and if you desaturate by 10%, it is **35.1806, 0.3232, 0.2837**.

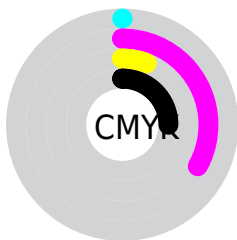
Distribution



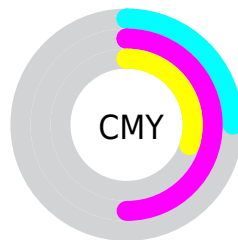
- Red (75%)
- Green (50%)
- Blue (70%)



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



- Cyan (0%)
- Magenta (33%)
- Yellow (6%)
- Black (25%)





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5998, 0.3289, 0.2632 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 29.5998, 0.3289, 0.2632 by changing the saturation by 10% instead.

 29.5998, 0.3289,
0.2632


 29.5998, 0.3289,
0.2632


300.0346, 0.3210,
0.2967

 19.5350, 0.3308,
0.2547


 59.0287, 0.3261,
0.2755

 12.0575, 0.3331,
0.2437


 79.1616, 0.3250,
0.2801

 6.7829, 0.3361,
0.2289

 103.4194, 0.3241,
0.2839

 3.3267, 0.3400,
0.2081

132.1864, 0.3233,
0.2872

 1.3046, 0.3450,
0.1770

165.8470, 0.3226,
0.2901

 0.1447, 0.3774,
0.0596

204.7856, 0.3220,

 0.0000, 0.0000,

0.2926

0.0000

249.3867, 0.3215,
0.2948

■ 29.5998, 0.3289,
0.2632

■ 29.5998, 0.3289,
0.2632

■ 24.9537, 0.3353,
0.2434

■ 35.1806, 0.3232,
0.2837

■ 21.1864, 0.3422,
0.2251

■ 41.7400, 0.3181,
0.3041

■ 18.2421, 0.3495,
0.2093

■ 49.3239, 0.3138,
0.3239

■ 16.0570, 0.3571,
0.1971


■ 57.9742, 0.3100,
0.3428


■ 14.5581, 0.3646,
0.1890

■ 67.7305, 0.3068,
0.3605

 13.6576, 0.3719,
0.1855

 78.6301, 0.3041,
0.3770

 13.2525, 0.3771,
0.1851

 86.8156, 0.3018,
0.3861

 86.9943, 0.2999,
0.3819

 87.1771, 0.2979,
0.3776

Harmonies

Analogous

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



29.5998, 0.2718, 0.2416



29.5998, 0.3289, 0.2632



29.5998, 0.3863, 0.2990

Triad

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



29.5998, 0.3289, 0.2632



29.5998, 0.3969, 0.4232



29.5998, 0.2134, 0.2989

Complementary

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



29.5998, 0.3289, 0.2632



43.3110, 0.3000, 0.4053

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.



29.5998, 0.2411, 0.3570



29.5998, 0.3289, 0.2632



29.5998, 0.3462, 0.4353

Square

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



29.5998, 0.3289, 0.2632



29.5998, 0.4263, 0.3875



29.5998, 0.2891, 0.4110



29.5998, 0.2098, 0.2574

Rectangle

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



29.5998, 0.3289, 0.2632



29.5998, 0.4143, 0.3278



29.5998, 0.2891, 0.4110



29.5998, 0.2200, 0.3171

Sweetspot

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



29.6011, 0.3289, 0.2632



78.8519, 0.3170, 0.3091



24.6792, 0.2655, 0.2363



16.9048, 0.3177, 0.3062



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.



29.6011, 0.3289, 0.2632



47.5710, 0.3333, 0.2492



28.5142, 0.3632, 0.3022



9.6637, 0.3166, 0.3107



8.8232, 0.3762, 0.1846



0.3539, 0.3607, 0.1761

Inverse Universe

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



29.6011, 0.3289, 0.2632



47.5710, 0.3333, 0.2492



44.3331, 0.2793, 0.3579



9.6637, 0.3166, 0.3107



8.8232, 0.3762, 0.1846



0.3539, 0.3607, 0.1761

Previews

White Background



This preview shows how the Yxy color 29.5998, 0.3289, 0.2632 looks on a white background.

Color Contrast Check

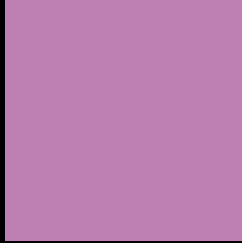
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5998, 0.3289, 0.2632 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

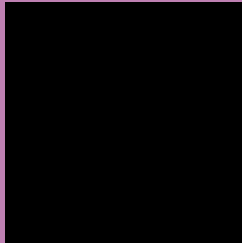
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5998, 0.3289, 0.2632

Background



This preview shows how black text looks on a background with the Yxy color 29.5998, 0.3289, 0.2632.



This preview shows how white text looks on a background with the Yxy color 29.5998, 0.3289, 0.2632.

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

29.5998, 0.3289, 0.2632

Protanopia

29.9474, 0.2655, 0.2637

Deuteranopia

29.8300, 0.2900, 0.2841



Tritanopia

29.5336, 0.3600, 0.3138

Trichromacy



Original Color

29.5998, 0.3289, 0.2632

Protanomaly

29.3693, 0.2859, 0.2628

Deuteranomaly

29.5992, 0.3038, 0.2760

Tritanomaly

29.5016, 0.3480, 0.2948

Monochromacy



Original Color

29.5998, 0.3289, 0.2632

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.3251, 0.3192, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5998, 0.3289, 0.2632 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(190, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(190, 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(190, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 29.5998, 0.3289, 0.2632 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(190, 128, 178) }
```

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

```
.border{ border-color:rgb(190, 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(190, 128, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(190, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5998, 0.3289, 0.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 128, 178) }
```

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

```
.background{ background-color: rgb(190,  
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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