

Converting Colors

$Y_{xy}(28.6062, 0.3205, 0.2613)$

Have a look what the booklet for
Yxy(28.6062, 0.3205, 0.2613)
contains.

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Color

Yxy(28.5978, 0.3202, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	B680B2
RGB	182, 128, 178
RGB Percent	71%, 50%, 70%
CMY	0.2864, 0.4980, 0.3019
CMYK	0.00, 0.30, 0.02, 0.29
HSL	304°, 27%, 61%
HSV	304°, 30%, 71%
XYZ	35.0441, 28.5978, 45.8024
YIQ	149.8460, 16.1340, 26.9980

Conversions

Conversions Part 2

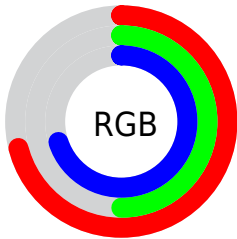
Format	Color
R_{YB}	182, 128, 178
Decimal	11960498
CIE _{Lab}	60.43, 29.11, -18.09
CIE _{LCh}	60, 34.276, 328.148
Yxy	28.5978, 0.3202, 0.2613
Android (android.graphics.Color)	4290150578 (0xFFB680B2)
YUV	149.8460, 13.8799, 28.1991
Hunter-Lab	53.4769, 23.3886, -13.3475

Details

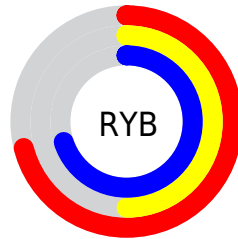
The Yxy color **28.5978, 0.3202, 0.2613** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7024, 0.3058, 0.4076**, and the grayscale version is **30.3663, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.3390, 0.3194, 0.2734**, and **11.5186, 0.3216, 0.2417** is the 20% darker color. If you saturate the color by 10%, you get **24.2160, 0.3231, 0.2390**, and if you desaturate by 10%, it is **33.8340, 0.3174, 0.2844**.

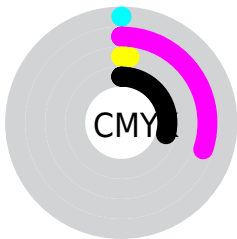
Distribution



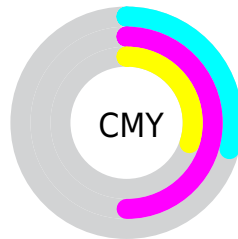
- Red (71%)
- Green (50%)
- Blue (70%)



- Red (71%)
- Yellow (50%)
- Blue (70%)



- Cyan (0%)
- Magenta (30%)
- Yellow (2%)
- Black (29%)




- Cyan (29%)
- Magenta (50%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5978, 0.3202, 0.2613 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 28.5978, 0.3202, 0.2613 by changing the saturation by 10% instead.


 28.5978, 0.3202,
0.2613


 28.5978, 0.3202,
0.2613


295.3125, 0.3169,
0.2959


 18.7768, 0.3208,
0.2524


 57.4375, 0.3192,
0.2741

 11.5091, 0.3215,
0.2409


 77.2249, 0.3187,
0.2788

 6.4104, 0.3221,
0.2255


 101.1032, 0.3183,
0.2828

 3.0962, 0.3225,
0.2037

129.4569, 0.3180,
0.2862

 1.1821, 0.3216,
0.1709

162.6702, 0.3177,
0.2891

 0.0471, 0.3493,
0.0218

201.1277, 0.3174,

 0.0000, 0.0000,

0.2917

0.0000

245.2137, 0.3172,
0.2940

■ 28.5978, 0.3202,
0.2613

■ 28.5978, 0.3202,
0.2613

■ 24.2160, 0.3231,
0.2390

■ 33.8340, 0.3174,
0.2844

■ 20.6393, 0.3262,
0.2182

■ 39.9630, 0.3149,
0.3074

■ 17.8193, 0.3293,
0.2000

■ 47.0253, 0.3126,
0.3298

■ 15.7006, 0.3323,
0.1852

■ 55.0580, 0.3106,
0.3511

■ 14.2205, 0.3351,
0.1744

■ 64.0960, 0.3088,
0.3711

■ 13.3050, 0.3377,
0.1678

■ 74.1726, 0.3073,
0.3896

■ 12.8085, 0.3401,
0.1649

■ 85.0660, 0.3059,
0.4063

■ 12.7932, 0.3402,
0.1648

■ 85.1236, 0.3052,
0.4047

■ 85.1817, 0.3045,
0.4031

Harmonies

Analogous

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



28.5978, 0.2663, 0.2427



28.5978, 0.3202, 0.2613



28.5978, 0.3767, 0.2945

Triad

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



28.5978, 0.3202, 0.2613



28.5978, 0.3998, 0.4164



28.5978, 0.2189, 0.3074

Complementary

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



28.5978, 0.3202, 0.2613



39.7024, 0.3058, 0.4076

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.



28.5978, 0.2490, 0.3643



28.5978, 0.3202, 0.2613



28.5978, 0.3529, 0.4319

Square

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



28.5978, 0.3202, 0.2613



28.5978, 0.4242, 0.3801



28.5978, 0.2976, 0.4134



28.5978, 0.2120, 0.2643

Rectangle

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



28.5978, 0.3202, 0.2613



28.5978, 0.4060, 0.3219



28.5978, 0.2976, 0.4134



28.5978, 0.2265, 0.3256

Sweetspot

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



28.5991, 0.3202, 0.2613



73.0750, 0.3148, 0.3085



23.6921, 0.2647, 0.2448



15.7574, 0.3152, 0.3052



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



28.5991, 0.3202, 0.2613



46.1773, 0.3222, 0.2456



27.6312, 0.3496, 0.2961



9.1511, 0.3148, 0.3081



9.0410, 0.3400, 0.1646



0.3221, 0.3345, 0.1617

Inverse Universe

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



28.5991, 0.3202, 0.2613



46.1773, 0.3222, 0.2456



40.5264, 0.2866, 0.3647



9.1511, 0.3148, 0.3081



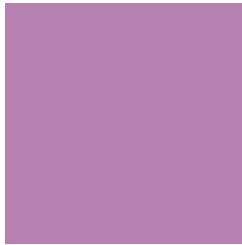
9.0410, 0.3400, 0.1646



0.3221, 0.3345, 0.1617

Previews

White Background



This preview shows how the Yxy color 28.5978, 0.3202, 0.2613 looks on a white background.

Color Contrast Check

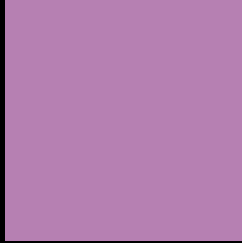
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5978, 0.3202, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

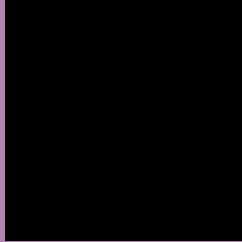
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5978, 0.3202, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 28.5978, 0.3202, 0.2613.



This preview shows how white text looks on a background with the Yxy color 28.5978, 0.3202, 0.2613.

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

28.5978, 0.3202, 0.2613

Protanopia

28.7326, 0.2632, 0.2599

Deuteranopia

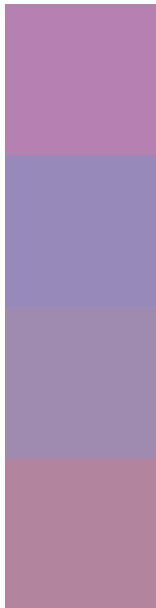
28.8511, 0.2860, 0.2805



Tritanopia

28.5595, 0.3510, 0.3133

Trichromacy



Original Color

28.5978, 0.3202, 0.2613

Protanomaly

28.3014, 0.2810, 0.2589

Deuteranomaly

28.6825, 0.2977, 0.2735

Tritanomaly

28.5206, 0.3391, 0.2937

Monochromacy



Original Color

28.5978, 0.3202, 0.2613

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.5654, 0.3161, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5978, 0.3202, 0.2613 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(182, 128, 178)` looks like.

```
.text, #text, p{  
    color:rgb(182, 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(182, 128, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 128, 178) }
```

Border

The CSS property to change the border of an element to Yxy 28.5978, 0.3202, 0.2613 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(182, 128, 178) }
```

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

```
.border{ border-color:rgb(182, 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(182, 128, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 128, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 128, 178);  
box-shadow:4px 4px 4px 4px rgb(182, 128,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5978, 0.3202, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 128, 178) }
```

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

```
.background{ background-color: rgb(182,  
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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