

Converting Colors

$Y_{xy}(27.6898, 0.2958, 0.2226)$

Have a look what the booklet for
Yxy(27.6898, 0.2958, 0.2226)
contains.

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Color

Yxy(27.6898, 0.2958, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	B678CB
RGB	182, 120, 203
RGB Percent	71%, 47%, 80%
CMY	0.2861, 0.5295, 0.2039
CMYK	0.10, 0.41, 0.00, 0.20
HSL	285°, 44%, 63%
HSV	285°, 41%, 80%
XYZ	36.7953, 27.6898, 59.9075
YIQ	148.0000, 10.3090, 38.9570

Conversions

Conversions Part 2

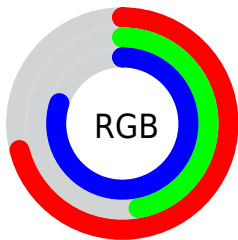
Format	Color
R _Y B	182, 120, 203
Decimal	11958475
CIE Lab	59.61, 38.51, -33.53
CIE LCh	60, 51.062, 318.960
Yxy	27.6898, 0.2958, 0.2226
Android (android.graphics.Color)	4290148555 (0xFFB678CB)
YUV	148.0000, 27.1150, 29.8180
Hunter-Lab	52.6211, 32.7293, -30.6651

Details

The Yxy color **27.6898, 0.2958, 0.2226** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **49.7269, 0.3220, 0.4483**, and the grayscale version is **29.4968, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.4579, 0.3038, 0.2457**, and **10.9382, 0.2864, 0.1921** is the 20% darker color. If you saturate the color by 10%, you get **22.7030, 0.2900, 0.1970**, and if you desaturate by 10%, it is **33.7368, 0.3010, 0.2493**.

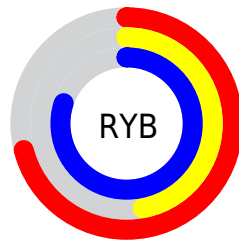
Distribution



Red (71%)

Green (47%)

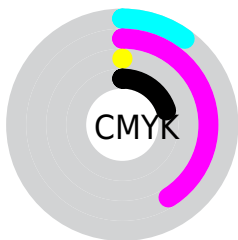
Blue (80%)



Red (71%)

Yellow (47%)

Blue (80%)

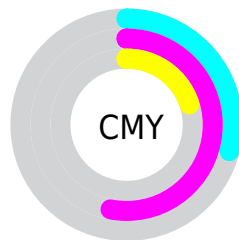


Cyan (10%)

Magenta (41%)

Yellow (0%)

Black (20%)



Cyan (29%)


Magenta (53%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6898, 0.2958, 0.2226 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 27.6898, 0.2958, 0.2226 by changing the saturation by 10% instead.


 27.6898, 0.2958,
0.2226


 27.6898, 0.2958,
0.2226


290.9817, 0.3064,
0.2753


 18.0920, 0.2925,
0.2098


 55.9888, 0.3001,
0.2415

 11.0160, 0.2878,
0.1937


 75.4588, 0.3016,
0.2487

 6.0776, 0.2810,
0.1728


 98.9882, 0.3028,
0.2548

 2.8923, 0.2702,
0.1452

126.9616, 0.3038,
0.2601

 1.0758, 0.2519,
0.1080

159.7632, 0.3046,
0.2646

 0.0000, 0.2305,
0.0000

197.7775, 0.3053,

 0.0000, 0.0000,

0.2687

0.0000

241.3888, 0.3059,
0.2722

■ 27.6898, 0.2958,
0.2226

■ 27.6898, 0.2958,
0.2226

■ 22.7030, 0.2900,
0.1970

■ 33.7368, 0.3010,
0.2493

■ 18.7065, 0.2837,
0.1736

■ 40.9008, 0.3055,
0.2760

■ 15.6278, 0.2770,
0.1534


■ 49.2389, 0.3093,
0.3021

■ 13.3825, 0.2701,
0.1374

■ 58.8032, 0.3125,
0.3269

■ 11.8703, 0.2634,
0.1261


■ 69.6424, 0.3150,
0.3500

 10.9639, 0.2574,
0.1192

 81.8028, 0.3171,
0.3714

 90.7249, 0.3194,
0.3841

 91.5269, 0.3226,
0.3836

 92.3535, 0.3259,
0.3830

Harmonies

Analogous

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



27.6898, 0.2249, 0.2038



27.6898, 0.2958, 0.2226



27.6898, 0.3829, 0.2623

Triad

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



27.6898, 0.2958, 0.2226



27.6898, 0.4530, 0.4362



27.6898, 0.1867, 0.3177

Complementary

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



27.6898, 0.2958, 0.2226



49.7269, 0.3220, 0.4483

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.



27.6898, 0.2363, 0.4102



27.6898, 0.2958, 0.2226



27.6898, 0.3899, 0.4798

Square

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



27.6898, 0.2958, 0.2226



27.6898, 0.4801, 0.3765



27.6898, 0.3106, 0.4766



27.6898, 0.1693, 0.2467

Rectangle

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



27.6898, 0.2958, 0.2226



27.6898, 0.4349, 0.2972



27.6898, 0.3106, 0.4766



27.6898, 0.1997, 0.3479

Sweetspot

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



27.6910, 0.2958, 0.2226



80.5708, 0.3088, 0.2988



27.6856, 0.2427, 0.2381



16.8324, 0.3084, 0.2954



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.



27.6910, 0.2958, 0.2226



38.9592, 0.2907, 0.2001



29.5708, 0.3378, 0.2500



11.2556, 0.3098, 0.3059



7.0222, 0.2583, 0.1196



0.3969, 0.2711, 0.1267

Inverse Universe

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



28.0468, 0.3892, 0.3020



39.8328, 0.4149, 0.2966



48.5800, 0.2950, 0.4242



11.2594, 0.3251, 0.3232



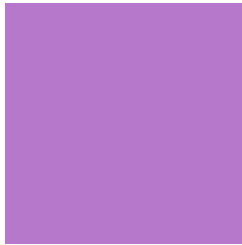
8.2460, 0.5903, 0.3026



0.4380, 0.5331, 0.2711

Previews

White Background



This preview shows how the Yxy color 27.6898, 0.2958, 0.2226 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 27.6898, 0.2958, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

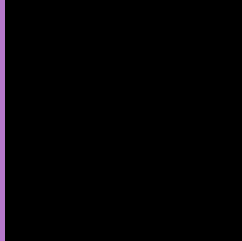
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.6898, 0.2958, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 27.6898, 0.2958, 0.2226.



This preview shows how white text looks on a background with the Yxy color 27.6898, 0.2958, 0.2226.

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

27.6898, 0.2958, 0.2226

Protanopia

27.9832, 0.2291, 0.2153

Deuteranopia

27.9051, 0.2499, 0.2439



Tritanopia

27.6425, 0.3478, 0.3144

Trichromacy



Original Color

27.6898, 0.2958, 0.2226

Protanomaly

27.2055, 0.2492, 0.2163

Deuteranomaly

27.3313, 0.2646, 0.2347

Tritanomaly

27.3851, 0.3275, 0.2767

Monochromacy



Original Color

27.6898, 0.2958, 0.2226

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.4777, 0.3064, 0.2846

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6898, 0.2958, 0.2226 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, 120, 203)` looks like.

```
.text, #text, p{  
    color:rgb(182, 120, 203)  
}
```

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, 120, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 120, 203) }
```

Border

The CSS property to change the border of an element to Yxy 27.6898, 0.2958, 0.2226 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, 120, 203) }
```

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

```
.border{ border-color:rgb(182, 120, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 120, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 120, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 120, 203);  
box-shadow:4px 4px 4px 4px rgb(182, 120,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6898, 0.2958, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 120, 203) }
```

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

```
.background{ background-color: rgb(182,  
120, 203) }
```

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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