

Converting Colors

$Y_{xy}(28.8293, 0.2858, 0.2147)$

Have a look what the booklet for
Yxy(28.8293, 0.2858, 0.2147)
contains.

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Color

Yxy(28.9660, 0.2860, 0.2151)

Conversions

Conversions Part 1

Format	Color
Hex	B67BD6
RGB	182, 123, 214
RGB Percent	71%, 48%, 84%
CMY	0.2862, 0.5176, 0.1608
CMYK	0.15, 0.43, 0.00, 0.16
HSL	279°, 53%, 66%
HSV	279°, 43%, 84%
XYZ	38.5136, 28.9660, 67.1833
YIQ	151.0150, 5.9530, 40.8090

Conversions

Conversions Part 2

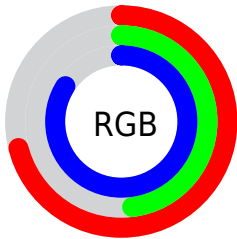
Format	Color
RYB	182, 123, 214
Decimal	11959254
CIELab	60.75, 39.17, -37.94
CIELCh	61, 54.529, 315.915
Yxy	28.9660, 0.2860, 0.2151
Android (android.graphics.Color)	4290149334 (0xFFB67BD6)
YUV	151.0150, 31.0516, 27.1738
Hunter-Lab	53.8201, 33.5493, -36.3374

Details

The Yxy color **28.9660, 0.2860, 0.2151** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **56.4948, 0.3288, 0.4516**, and the grayscale version is **30.8178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0150, 0.3038, 0.2497**, and **11.6500, 0.2745, 0.1846** is the 20% darker color. If you saturate the color by 10%, you get **23.3337, 0.2774, 0.1881**, and if you desaturate by 10%, it is **35.8103, 0.2938, 0.2430**.

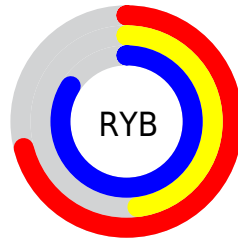
Distribution



Red (71%)

Green (48%)

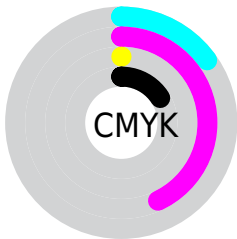
Blue (84%)



Red (71%)

Yellow (48%)

Blue (84%)

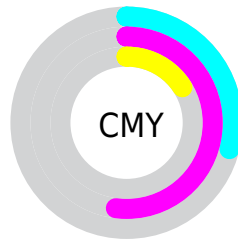


Cyan (15%)

Magenta (43%)

Yellow (0%)

Black (16%)



Cyan (29%)


Magenta (52%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9660, 0.2860, 0.2151 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 28.9660, 0.2860, 0.2151 by changing the saturation by 10% instead.


 28.9660, 0.2860,
0.2151


 28.9660, 0.2860,
0.2151


297.0545, 0.3017,
0.2707

 19.0551, 0.2814,
0.2019


 58.0231, 0.2922,
0.2349

 11.7101, 0.2751,
0.1854


 77.9380, 0.2944,
0.2424

 6.5466, 0.2662,
0.1644


 101.9564, 0.2962,
0.2489

 3.1802, 0.2529,
0.1371

130.4627, 0.2977,
0.2545

 1.2265, 0.2314,
0.1013

163.8413, 0.2989,
0.2593

 0.0832, 0.2022,
0.0160

202.4765, 0.3000,

 0.0000, 0.0000,

0.2636

0.0000

246.7528, 0.3009,
0.2674

■ 28.9660, 0.2860,
0.2151

■ 28.9660, 0.2860,
0.2151

■ 23.3337, 0.2774,
0.1881

■ 35.8103, 0.2938,
0.2430

■ 18.8328, 0.2682,
0.1632

■ 43.9334, 0.3007,
0.2708

■ 15.3779, 0.2586,
0.1416


■ 53.4012, 0.3066,
0.2976

■ 12.8701, 0.2491,
0.1245

■ 64.2741, 0.3116,
0.3229

■ 11.1899, 0.2399,
0.1123


■ 76.6085, 0.3158,
0.3464

 10.3238, 0.2333,
0.1059

 90.4581, 0.3192,
0.3679

 93.9831, 0.3237,
0.3708

 95.2888, 0.3286,
0.3702

 96.6493, 0.3335,
0.3695

Harmonies

Analogous

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



28.9660, 0.2149, 0.1981



28.9660, 0.2860, 0.2151



28.9660, 0.3770, 0.2542

Triad

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



28.9660, 0.2860, 0.2151



28.9660, 0.4640, 0.4338



28.9660, 0.1846, 0.3260

Complementary

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



28.9660, 0.2860, 0.2151



56.4948, 0.3288, 0.4516

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.



28.9660, 0.2392, 0.4243



28.9660, 0.2860, 0.2151



28.9660, 0.4003, 0.4838

Square

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



28.9660, 0.2860, 0.2151



28.9660, 0.4882, 0.3709



28.9660, 0.3182, 0.4886



28.9660, 0.1637, 0.2482

Rectangle

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



28.9660, 0.2860, 0.2151



28.9660, 0.4338, 0.2895



28.9660, 0.3182, 0.4886



28.9660, 0.1992, 0.3586

Sweetspot

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



28.9672, 0.2860, 0.2151



78.4989, 0.3062, 0.2960



32.9671, 0.2416, 0.2469



16.0981, 0.3050, 0.2901



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.



28.9672, 0.2860, 0.2151



35.4699, 0.2783, 0.1908



32.7211, 0.3297, 0.2373



12.4041, 0.3082, 0.3056



6.2997, 0.2346, 0.1066



0.4254, 0.2497, 0.1149

Inverse Universe

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



30.8294, 0.3829, 0.2898



38.8425, 0.4060, 0.2822



54.0604, 0.2997, 0.4426



12.4922, 0.3236, 0.3208



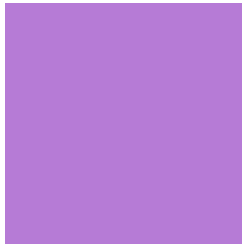
8.9681, 0.5557, 0.2835



0.5564, 0.5074, 0.2569

Previews

White Background



This preview shows how the Yxy color 28.9660, 0.2860, 0.2151 looks on a white background.

Color Contrast Check

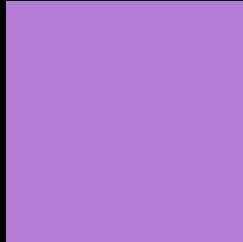
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.9660, 0.2860, 0.2151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

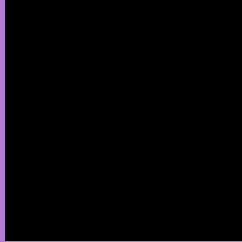
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9660, 0.2860, 0.2151

Background



This preview shows how black text looks on a background with the Yxy color 28.9660, 0.2860, 0.2151.



This preview shows how white text looks on a background with the Yxy color 28.9660, 0.2860, 0.2151.

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

28.9660, 0.2860, 0.2151

Protanopia

29.3501, 0.2230, 0.2079

Deuteranopia

29.1149, 0.2412, 0.2347



Tritanopia

29.0857, 0.3399, 0.3144

Trichromacy



Original Color

28.9660, 0.2860, 0.2151

Protanomaly

28.5335, 0.2419, 0.2089

Deuteranomaly

28.5238, 0.2553, 0.2261

Tritanomaly

28.9837, 0.3196, 0.2746

Monochromacy



Original Color

28.9660, 0.2860, 0.2151

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.7871, 0.3026, 0.2811

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9660, 0.2860, 0.2151 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, 123, 214)` looks like.

```
.text, #text, p{  
    color:rgb(182, 123, 214)  
}
```

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, 123, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 123, 214) }
```

Border

The CSS property to change the border of an element to Yxy 28.9660, 0.2860, 0.2151 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, 123, 214) }
```

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

```
.border{ border-color:rgb(182, 123, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 123, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 123, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 123, 214);  
box-shadow:4px 4px 4px 4px rgb(182, 123,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9660, 0.2860, 0.2151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 123, 214) }
```

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

```
.background{ background-color: rgb(182,  
123, 214) }
```

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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