

Converting Colors

$Y_{xy}(29.9079, 0.2802, 0.2114)$

Have a look what the booklet for
Yxy(29.9079, 0.2802, 0.2114)
contains.

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Color

Yxy(29.8328, 0.2802, 0.2107)

Conversions

Conversions Part 1

Format	Color
Hex	B67DDD
RGB	182, 125, 221
RGB Percent	71%, 49%, 87%
CMY	0.2864, 0.5098, 0.1333
CMYK	0.18, 0.43, 0.00, 0.13
HSL	276°, 59%, 68%
HSV	276°, 43%, 87%
XYZ	39.6732, 29.8328, 72.0830
YIQ	152.9870, 3.1560, 41.9400

Conversions

Conversions Part 2

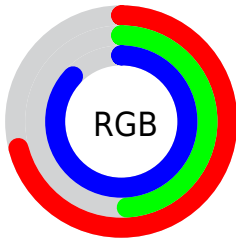
Format	Color
R_{YB}	182, 125, 221
Decimal	11959773
CIE _{Lab}	61.51, 39.58, -40.67
CIE _{LCh}	62, 56.750, 314.219
Yxy	29.8328, 0.2802, 0.2107
Android (android.graphics.Color)	4290149853 (0xFFB67DDD)
YUV	152.9870, 33.5304, 25.4444
Hunter-Lab	54.6194, 34.0709, -40.0133

Details

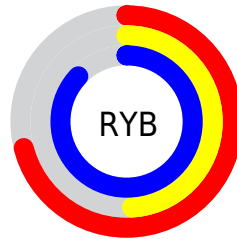
The Yxy color **29.8328, 0.2802, 0.2107** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **61.0988, 0.3329, 0.4532**, and the grayscale version is **31.7003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.8109, 0.3038, 0.2517**, and **12.1262, 0.2681, 0.1807** is the 20% darker color. If you saturate the color by 10%, you get **23.7872, 0.2701, 0.1829**, and if you desaturate by 10%, it is **37.1959, 0.2895, 0.2394**.

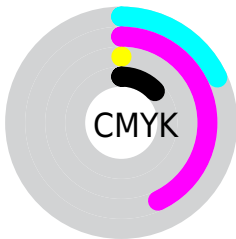
Distribution



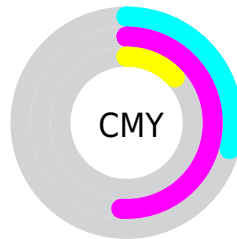
- Red (71%)
- Green (49%)
- Blue (87%)



- Red (71%)
- Yellow (49%)
- Blue (87%)



- Cyan (18%)
- Magenta (43%)
- Yellow (0%)
- Black (13%)





- Cyan (29%)
- Magenta (51%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8328, 0.2802, 0.2107 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 29.8328, 0.2802, 0.2107 by changing the saturation by 10% instead.


 29.8328, 0.2802,
0.2107


 29.8328, 0.2802,
0.2107


301.1243, 0.2989,
0.2679

 19.7117, 0.2749,
0.1973


 59.3977, 0.2875,
0.2309

 12.1857, 0.2678,
0.1806


 79.6102, 0.2901,
0.2387

 6.8703, 0.2578,
0.1596


 103.9554, 0.2922,
0.2453

 3.3811, 0.2432,
0.1326

132.8176, 0.2940,
0.2511

 1.3338, 0.2204,
0.0977

166.5812, 0.2955,
0.2561

 0.1671, 0.1877,
0.0271

205.6306, 0.2968,

 0.0000, 0.0335,

0.2605

0.0000

250.3501, 0.2979,
0.2644

0.0000, 0.0000,
0.0000

29.8328, 0.2802,
0.2107

29.8328, 0.2802,
0.2107

23.7872, 0.2701,
0.1829

37.1959, 0.2895,
0.2394

18.9708, 0.2593,
0.1572

45.9501, 0.2977,
0.2677

15.2895, 0.2482,
0.1350


56.1675, 0.3048,
0.2950

12.6338, 0.2373,
0.1173


67.9143, 0.3109,
0.3206

10.8710, 0.2270,
0.1048

81.2525, 0.3160,
0.3443

 10.0580, 0.2207,
0.0989

 94.5568, 0.3204,
0.3634

 96.1331, 0.3262,
0.3628

 97.7880, 0.3320,
0.3622

 98.0012, 0.3327,
0.3621

Harmonies

Analogous

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



29.8328, 0.2091, 0.1946



29.8328, 0.2802, 0.2107



29.8328, 0.3735, 0.2495

Triad

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



29.8328, 0.2802, 0.2107



29.8328, 0.4704, 0.4322



29.8328, 0.1834, 0.3311

Complementary

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



29.8328, 0.2802, 0.2107



61.0988, 0.3329, 0.4532

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.



29.8328, 0.2409, 0.4329



29.8328, 0.2802, 0.2107



29.8328, 0.4064, 0.4859

Square

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



29.8328, 0.2802, 0.2107



29.8328, 0.4930, 0.3675



29.8328, 0.3227, 0.4956



29.8328, 0.1604, 0.2491

Rectangle

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



29.8328, 0.2802, 0.2107



29.8328, 0.4330, 0.2849



29.8328, 0.3227, 0.4956



29.8328, 0.1989, 0.3651

Sweetspot

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



29.8340, 0.2802, 0.2107



78.1754, 0.3050, 0.2959



36.4971, 0.2410, 0.2516



16.0181, 0.3035, 0.2900



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.



29.8340, 0.2802, 0.2107



33.6664, 0.2711, 0.1856



34.8496, 0.3254, 0.2306



12.9971, 0.3073, 0.3055



5.9098, 0.2221, 0.0997



0.4327, 0.2379, 0.1084

Inverse Universe

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



32.7269, 0.3790, 0.2828



38.4247, 0.4001, 0.2740



57.7749, 0.3020, 0.4526



13.1389, 0.3228, 0.3195



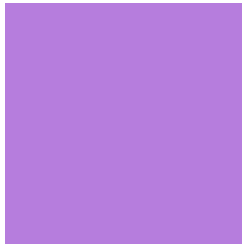
9.3786, 0.5340, 0.2715



0.6244, 0.4913, 0.2480

Previews

White Background



This preview shows how the Yxy color 29.8328, 0.2802, 0.2107 looks on a white background.

Color Contrast Check

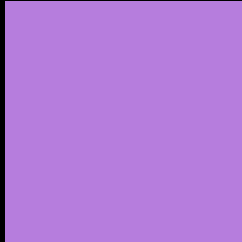
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8328, 0.2802, 0.2107 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

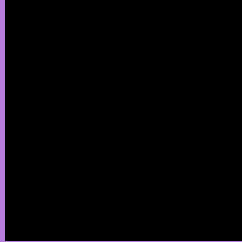
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8328, 0.2802, 0.2107

Background



This preview shows how black text looks on a background with the Yxy color 29.8328, 0.2802, 0.2107.



This preview shows how white text looks on a background with the Yxy color 29.8328, 0.2802, 0.2107.

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

29.8328, 0.2802, 0.2107

Protanopia

30.3005, 0.2196, 0.2037

Deuteranopia

30.2545, 0.2364, 0.2308



Tritanopia

29.9420, 0.3351, 0.3144

Trichromacy



Original Color

29.8328, 0.2802, 0.2107



Protanomaly

29.4064, 0.2374, 0.2045



Deuteranomaly

29.6578, 0.2502, 0.2225



Tritanomaly

29.5765, 0.3143, 0.2720

Monochromacy



Original Color

29.8328, 0.2802, 0.2107



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.7518, 0.3009, 0.2790

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8328, 0.2802, 0.2107 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, 125, 221)` looks like.

```
.text, #text, p{  
    color:rgb(182, 125, 221)  
}
```

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, 125, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 125, 221) }
```

Border

The CSS property to change the border of an element to Yxy 29.8328, 0.2802, 0.2107 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, 125, 221) }
```

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

```
.border{ border-color:rgb(182, 125, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 125, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 125, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 125, 221); box-shadow:4px 4px 4px 4px rgb(182, 125, 221) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8328, 0.2802, 0.2107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 125, 221) }
```

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

```
.background{ background-color: rgb(182,  
125, 221) }
```

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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