

Converting Colors

$Y_{xy}(28.4185, 0.3250, 0.2260)$

Have a look what the booklet for
Yxy(28.4185, 0.3250, 0.2260)
contains.

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Color

Yxy(28.5029, 0.3241, 0.2259)

Conversions

Conversions Part 1

Format	Color
Hex	CC70C6
RGB	204, 112, 198
RGB Percent	80%, 44%, 78%
CMY	0.1999, 0.5608, 0.2235
CMYK	0.00, 0.45, 0.03, 0.20
HSL	304°, 47%, 62%
HSV	304°, 45%, 80%
XYZ	40.8933, 28.5029, 56.7787
YIQ	149.3120, 27.2260, 46.2500

Conversions

Conversions Part 2

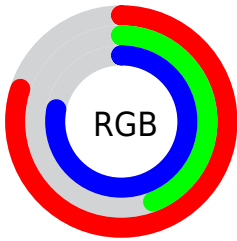
Format	Color
RYB	204, 112, 198
Decimal	13398214
CIELab	60.34, 48.41, -29.36
CIElCh	60, 56.616, 328.765
Yxy	28.5029, 0.3241, 0.2259
Android (android.graphics.Color)	4291588294 (0xFFCC70C6)
YUV	149.3120, 24.0032, 47.9614
Hunter-Lab	53.3881, 43.2951, -25.6837

Details

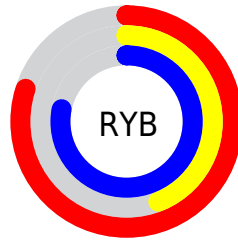
The Yxy color $28.5029, 0.3241, 0.2259$ is a light color, and the websafe version is hex $CC66CC$. A complement of this color would be $47.9462, 0.3027, 0.4600$, and the grayscale version is $30.0818, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.7524, 0.3168, 0.2422$, and $11.4374, 0.3252, 0.1977$ is the 20% darker color. If you saturate the color by 10%, you get $24.4399, 0.3270, 0.2063$, and if you desaturate by 10%, it is $33.5889, 0.3213, 0.2477$.

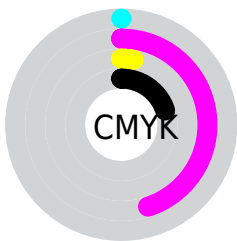
Distribution



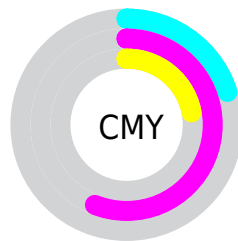
- Red (80%)
- Green (44%)
- Blue (78%)



- Red (80%)
- Yellow (44%)
- Blue (78%)



- Cyan (0%)
- Magenta (45%)
- Yellow (3%)
- Black (20%)




- Cyan (20%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5029, 0.3241, 0.2259 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 28.5029, 0.3241, 0.2259 by changing the saturation by 10% instead.


 28.5029, 0.3241,
0.2259


 28.5029, 0.3241,
0.2259


294.8622, 0.3199,
0.2766


 18.7051, 0.3247,
0.2137


 57.2863, 0.3229,
0.2441


 11.4574, 0.3251,
0.1982


 77.0408, 0.3224,
0.2510

 6.3754, 0.3251,
0.1784

 100.8829, 0.3219,
0.2568

 3.0746, 0.3240,
0.1520

 129.1971, 0.3214,
0.2619

 1.1708, 0.3201,
0.1160

162.3677, 0.3210,
0.2663

 0.0377, 0.3268,
0.0096

200.7791, 0.3206,

 0.0000, 0.1569,

0.2702

0.0000

244.8159, 0.3202,
0.2736

0.0000, 0.0000,
0.0000

28.5029, 0.3241,
0.2259

28.5029, 0.3241,
0.2259

24.4399, 0.3270,
0.2063

33.5889, 0.3213,
0.2477

21.3262, 0.3298,
0.1898

39.7572, 0.3186,
0.2708

19.0847, 0.3324,
0.1771


47.0673, 0.3161,
0.2943


17.6242, 0.3349,
0.1688

55.5731, 0.3138,
0.3175


16.8337, 0.3371,
0.1647

65.3252, 0.3117,
0.3398

 16.5883, 0.3381,
0.1636

 76.3713, 0.3099,
0.3609

 88.7563, 0.3083,
0.3805

 88.9466, 0.3075,
0.3792

 89.0127, 0.3068,
0.3777

Harmonies

Analogous

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



28.5029, 0.2389, 0.1980



28.5029, 0.3241, 0.2259



28.5029, 0.4193, 0.2740

Triad

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



28.5029, 0.3241, 0.2259



28.5029, 0.4444, 0.4624



28.5029, 0.1664, 0.2860

Complementary

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



28.5029, 0.3241, 0.2259



47.9462, 0.3027, 0.4600

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.



28.5029, 0.2076, 0.3849



28.5029, 0.3241, 0.2259



28.5029, 0.3673, 0.5009

Square

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



28.5029, 0.3241, 0.2259



28.5029, 0.4906, 0.3995



28.5029, 0.2807, 0.4761



28.5029, 0.1594, 0.2220

Rectangle

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



28.5029, 0.3241, 0.2259



28.5029, 0.4684, 0.3134



28.5029, 0.2807, 0.4761



28.5029, 0.1762, 0.3161

Sweetspot

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



28.5042, 0.3241, 0.2259



79.1505, 0.3159, 0.2965



19.7009, 0.2320, 0.1906



16.3311, 0.3164, 0.2914



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.



28.5042, 0.3241, 0.2259



40.7072, 0.3268, 0.2070



26.7397, 0.3770, 0.2763



11.3906, 0.3148, 0.3076



10.4443, 0.3378, 0.1635



0.5427, 0.3342, 0.1615

Inverse Universe

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



28.5042, 0.3241, 0.2259



40.7072, 0.3268, 0.2070



49.2684, 0.2760, 0.3902



11.3906, 0.3148, 0.3076



10.4443, 0.3378, 0.1635



0.5427, 0.3342, 0.1615

Previews

White Background



This preview shows how the Yxy color 28.5029, 0.3241, 0.2259 looks on a white background.

Color Contrast Check

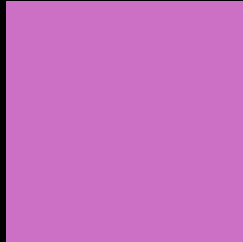
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5029, 0.3241, 0.2259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

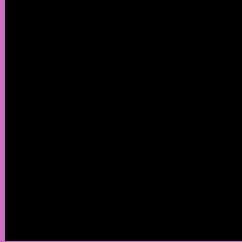
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5029, 0.3241, 0.2259

Background



This preview shows how black text looks on a background with the Yxy color 28.5029, 0.3241, 0.2259.



This preview shows how white text looks on a background with the Yxy color 28.5029, 0.3241, 0.2259.

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

28.5029, 0.3241, 0.2259

Protanopia

28.8242, 0.2298, 0.2164

Deuteranopia

28.9032, 0.2626, 0.2574



Tritanopia

28.4067, 0.3862, 0.3171

Trichromacy



Original Color

28.5029, 0.3241, 0.2259

Protanomaly

27.7471, 0.2566, 0.2172

Deuteranomaly

27.8712, 0.2823, 0.2422

Tritanomaly

28.2855, 0.3630, 0.2808

Monochromacy



Original Color

28.5029, 0.3241, 0.2259

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

28.8334, 0.3170, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5029, 0.3241, 0.2259 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(204, 112, 198)` looks like.

```
.text, #text, p{  
    color:rgb(204, 112, 198)  
}
```

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(204, 112, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 112, 198) }
```

Border

The CSS property to change the border of an element to Yxy 28.5029, 0.3241, 0.2259 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(204, 112, 198) }
```

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

```
.border{ border-color:rgb(204, 112, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 112, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 112, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 112, 198);  
box-shadow:4px 4px 4px 4px rgb(204, 112,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5029, 0.3241, 0.2259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 112, 198) }
```

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

```
.background{ background-color: rgb(204,  
112, 198) }
```

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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