

Converting Colors

$Y_{xy}(21.5785, 0.2911, 0.1720)$

Have a look what the booklet for
Yxy(21.5785, 0.2911, 0.1720)
contains.

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Color

Yxy(21.4970, 0.2911, 0.1718)

Conversions

Conversions Part 1

Format	Color
Hex	BE4FD8
RGB	190, 79, 216
RGB Percent	75%, 31%, 85%
CMY	0.2550, 0.6901, 0.1529
CMYK	0.12, 0.63, 0.00, 0.15
HSL	289°, 64%, 58%
HSV	289°, 63%, 85%
XYZ	36.4248, 21.4970, 67.2063
YIQ	127.8070, 22.1790, 66.1390

Conversions

Conversions Part 2

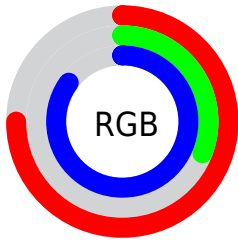
Format	Color
RYB	190, 79, 216
Decimal	12472280
CIELab	53.49, 63.66, -50.48
CIElCh	53, 81.243, 321.588
Yxy	21.4970, 0.2911, 0.1718
Android (android.graphics.Color)	4290662360 (0xFFBE4FD8)
YUV	127.8070, 43.4791, 54.5433
Hunter-Lab	46.3649, 59.0932, -53.4860

Details

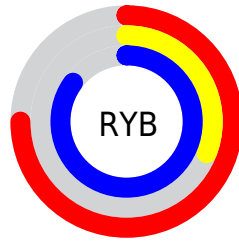
The Yxy color **21.4970, 0.2911, 0.1718** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted purple. A complement of this color would be **52.6908, 0.3168, 0.5249**, and the grayscale version is **21.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6877, 0.3129, 0.2126**, and **7.7640, 0.2792, 0.1343** is the 20% darker color. If you saturate the color by 10%, you get **18.3502, 0.2862, 0.1540**, and if you desaturate by 10%, it is **25.6726, 0.2958, 0.1933**.

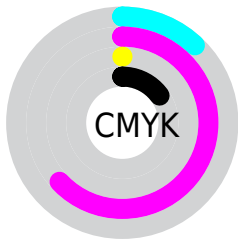
Distribution



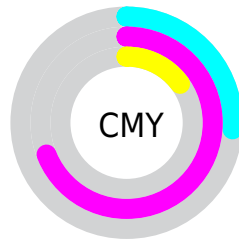
- Red (75%)
- Green (31%)
- Blue (85%)



- Red (75%)
- Yellow (31%)
- Blue (85%)



- Cyan (12%)
- Magenta (63%)
- Yellow (0%)
- Black (15%)




- Cyan (26%)
- Magenta (69%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.4970, 0.2911, 0.1718 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 21.4970, 0.2911, 0.1718 by changing the saturation by 10% instead.


 21.4970, 0.2911,
0.1718


 21.4970, 0.2911,
0.1718


259.9081, 0.3065,
0.2472


 13.4878, 0.2859,
0.1547


 45.9132, 0.2977,
0.1981


 7.7653, 0.2785,
0.1339


 63.0890, 0.2999,
0.2083


 3.9451, 0.2675,
0.1085


 84.0891, 0.3016,
0.2171

 1.6429, 0.2504,
0.0779

 109.2979, 0.3030,
0.2247

 0.3863, 0.2241,
0.0354

 139.0998, 0.3041,
0.2314

 0.0000, 0.1762,
0.0000

173.8792, 0.3051,

 0.0000, 0.0000,

0.2373

0.0000

214.0205, 0.3058,
0.2425

■ 21.4970, 0.2911,
0.1718

■ 21.4970, 0.2911,
0.1718

■ 18.3502, 0.2862,
0.1540

■ 25.6726, 0.2958,
0.1933

■ 16.1271, 0.2811,
0.1405

■ 30.9631, 0.3000,
0.2175

■ 14.7049, 0.2760,
0.1316

■ 37.4482, 0.3038,
0.2432

■ 14.0698, 0.2728,
0.1276

■ 45.1999, 0.3071,
0.2696

■ 54.2843, 0.3098,
0.2956

■ 64.7628, 0.3121,
0.3207

■ 76.6930, 0.3138,
0.3444

■ 90.1293, 0.3152,
0.3665

■ 92.7973, 0.3176,
0.3693

Harmonies

Analogous

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



21.4970, 0.1810, 0.1432



21.4970, 0.2911, 0.1718



21.4970, 0.4422, 0.2280

Triad

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



21.4970, 0.2911, 0.1718



21.4970, 0.5070, 0.4747



21.4970, 0.1129, 0.2840

Complementary

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



21.4970, 0.2911, 0.1718



52.6908, 0.3168, 0.5249

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.



21.4970, 0.1717, 0.4612



21.4970, 0.2911, 0.1718



21.4970, 0.3966, 0.5720

Square

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



21.4970, 0.2911, 0.1718



21.4970, 0.5769, 0.3804



21.4970, 0.2771, 0.5970



21.4970, 0.1001, 0.1833

Rectangle

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



21.4970, 0.2911, 0.1718



21.4970, 0.5311, 0.2756



21.4970, 0.2771, 0.5970



21.4970, 0.1266, 0.3363

Sweetspot

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



21.4979, 0.2911, 0.1718



71.1837, 0.3083, 0.2807



17.0149, 0.1983, 0.1620



14.4459, 0.3075, 0.2731



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.



21.4979, 0.2911, 0.1718



25.5120, 0.2845, 0.1490



23.2870, 0.3697, 0.2216



12.5079, 0.3108, 0.3058



8.3712, 0.2735, 0.1280



0.5363, 0.2822, 0.1328

Inverse Universe

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



21.2160, 0.4771, 0.3006



25.5011, 0.5326, 0.3010



52.1419, 0.2846, 0.4760



12.4590, 0.3261, 0.3246



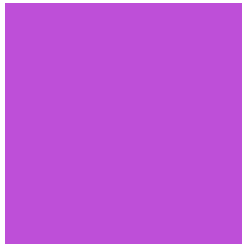
8.7479, 0.6089, 0.3128



0.5392, 0.5617, 0.2868

Previews

White Background



This preview shows how the Yxy color 21.4970, 0.2911, 0.1718 looks on a white background.

Color Contrast Check

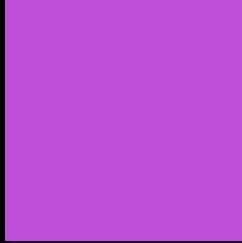
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4970, 0.2911, 0.1718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

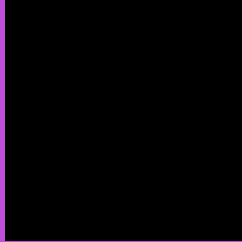
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4970, 0.2911, 0.1718

Background



This preview shows how black text looks on a background with the Yxy color 21.4970, 0.2911, 0.1718.



This preview shows how white text looks on a background with the Yxy color 21.4970, 0.2911, 0.1718.

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

21.4970, 0.2911, 0.1718

Protanopia

22.1067, 0.1795, 0.1517

Deuteranopia

21.9548, 0.2112, 0.2061



Tritanopia

21.4517, 0.3932, 0.3173

Trichromacy



Original Color

21.4970, 0.2911, 0.1718



Protanomaly

19.5089, 0.1980, 0.1488



Deuteranomaly

20.0870, 0.2316, 0.1846



Tritanomaly

20.8590, 0.3529, 0.2524

Monochromacy



Original Color

21.4970, 0.2911, 0.1718



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

20.2692, 0.3054, 0.2508

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4970, 0.2911, 0.1718 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(190, 79, 216)` looks like.

```
.text, #text, p{  
    color:rgb(190, 79, 216)  
}
```

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(190, 79, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 79, 216) }
```

Border

The CSS property to change the border of an element to Yxy 21.4970, 0.2911, 0.1718 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(190, 79, 216) }
```

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

```
.border{ border-color:rgb(190, 79, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 79, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 79, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 79, 216);  
box-shadow:4px 4px 4px 4px rgb(190, 79,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4970, 0.2911, 0.1718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 79, 216) }
```

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

```
.background{ background-color: rgb(190, 79,  
216) }
```

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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