

Converting Colors

$Y_{xy}(29.5656, 0.2851, 0.2213)$

Have a look what the booklet for
Yxy(29.5656, 0.2851, 0.2213)
contains.

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Color

Yxy(29.5159, 0.2850, 0.2210)

Conversions

Conversions Part 1

Format	Color
Hex	B37FD4
RGB	179, 127, 212
RGB Percent	70%, 50%, 83%
CMY	0.2980, 0.5019, 0.1686
CMYK	0.16, 0.40, 0.00, 0.17
HSL	277°, 50%, 66%
HSV	277°, 40%, 83%
XYZ	38.0635, 29.5159, 65.9767
YIQ	152.2380, 3.7070, 37.4590

Conversions

Conversions Part 2

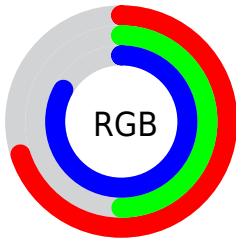
Format	Color
R _Y B	179, 127, 212
Decimal	11763668
CIE Lab	61.23, 35.64, -36.08
CIE LCh	61, 50.715, 314.650
Yxy	29.5159, 0.2850, 0.2210
Android (android.graphics.Color)	4289953748 (0xFFB37FD4)
YUV	152.2380, 29.4627, 23.4703
Hunter-Lab	54.3285, 29.9852, -33.9720

Details

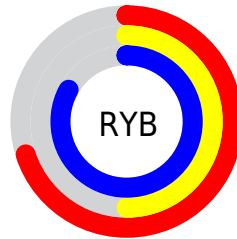
The Yxy color **29.5159, 0.2850, 0.2210** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **56.0918, 0.3306, 0.4428**, and the grayscale version is **31.3775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1006, 0.3015, 0.2532**, and **12.1020, 0.2746, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **23.6536, 0.2756, 0.1931**, and if you desaturate by 10%, it is **36.5912, 0.2934, 0.2494**.

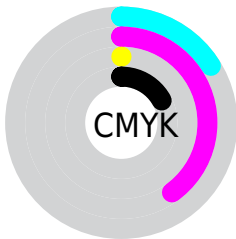
Distribution



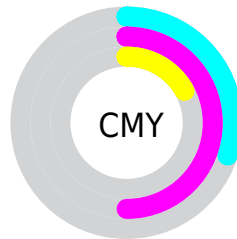
- Red (70%)
- Green (50%)
- Blue (83%)



- Red (70%)
- Yellow (50%)
- Blue (83%)



- Cyan (16%)
- Magenta (40%)
- Yellow (0%)
- Black (17%)





- Cyan (30%)
- Magenta (50%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5159, 0.2850, 0.2210 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 29.5159, 0.2850, 0.2210 by changing the saturation by 10% instead.


 29.5159, 0.2850,
0.2210


 29.5159, 0.2850,
0.2210


299.6414, 0.3010,
0.2740

 19.4714, 0.2804,
0.2083


 58.8958, 0.2913,
0.2399

 12.0114, 0.2741,
0.1924


 78.9999, 0.2935,
0.2471

 6.7515, 0.2652,
0.1720


 103.2261, 0.2953,
0.2533

 3.3072, 0.2520,
0.1453

131.9588, 0.2969,
0.2586

 1.2941, 0.2307,
0.1096

165.5822, 0.2981,
0.2632

 0.1366, 0.2011,
0.0272

204.4809, 0.2992,

 0.0000, 0.0000,

0.2672

0.0000

249.0391, 0.3002,
0.2708

■ 29.5159, 0.2850,
0.2210

■ 29.5159, 0.2850,
0.2210

■ 23.6536, 0.2756,
0.1931

■ 36.5912, 0.2934,
0.2494

■ 18.9267, 0.2656,
0.1669

■ 44.9433, 0.3009,
0.2772

■ 15.2543, 0.2551,
0.1437


■ 54.6359, 0.3073,
0.3039


■ 12.5426, 0.2446,
0.1248


■ 65.7272, 0.3127,
0.3288

■ 10.6808, 0.2344,
0.1107


■ 78.2719, 0.3172,
0.3517

 9.4757, 0.2250,
0.1013

 92.3219, 0.3209,
0.3727

 94.2110, 0.3261,
0.3727

 95.6572, 0.3315,
0.3720

 97.1692, 0.3369,
0.3712

Harmonies

Analogous

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



29.5159, 0.2193, 0.2060



29.5159, 0.2850, 0.2210



29.5159, 0.3690, 0.2573

Triad

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



29.5159, 0.2850, 0.2210



29.5159, 0.4562, 0.4263



29.5159, 0.1948, 0.3307

Complementary

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



29.5159, 0.2850, 0.2210



56.0918, 0.3306, 0.4428

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.



29.5159, 0.2478, 0.4199



29.5159, 0.2850, 0.2210



29.5159, 0.3987, 0.4719

Square

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



29.5159, 0.2850, 0.2210



29.5159, 0.4755, 0.3674



29.5159, 0.3225, 0.4765



29.5159, 0.1731, 0.2570

Rectangle

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



29.5159, 0.2850, 0.2210



29.5159, 0.4218, 0.2904



29.5159, 0.3225, 0.4765



29.5159, 0.2092, 0.3607

Sweetspot

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



29.5171, 0.2850, 0.2210



79.8229, 0.3060, 0.2986



34.7558, 0.2466, 0.2567



16.6559, 0.3052, 0.2951



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.



29.5171, 0.2850, 0.2210



37.2211, 0.2772, 0.1974



33.5120, 0.3256, 0.2394



12.3809, 0.3076, 0.3056



5.9093, 0.2263, 0.1020



0.4035, 0.2425, 0.1110

Inverse Universe

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



31.7144, 0.3735, 0.2883



41.2257, 0.3928, 0.2801



53.3618, 0.3020, 0.4390



12.4998, 0.3231, 0.3200



9.0383, 0.5412, 0.2755



0.5611, 0.4948, 0.2499

Previews

White Background



This preview shows how the Yxy color 29.5159, 0.2850, 0.2210 looks on a white background.

Color Contrast Check

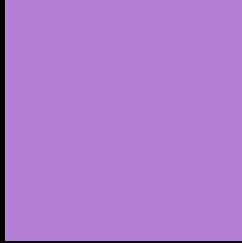
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5159, 0.2850, 0.2210 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

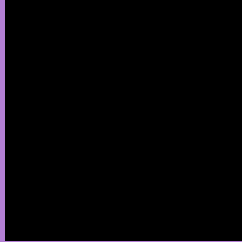
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5159, 0.2850, 0.2210

Background



This preview shows how black text looks on a background with the Yxy color 29.5159, 0.2850, 0.2210.



This preview shows how white text looks on a background with the Yxy color 29.5159, 0.2850, 0.2210.

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

29.5159, 0.2850, 0.2210

Protanopia

29.7188, 0.2289, 0.2153

Deuteranopia

29.6239, 0.2456, 0.2392



Tritanopia

29.4255, 0.3330, 0.3128

Trichromacy



Original Color

29.5159, 0.2850, 0.2210

Protanomaly

29.1136, 0.2457, 0.2151

Deuteranomaly

29.1797, 0.2587, 0.2316

Tritanomaly

29.2293, 0.3152, 0.2755

Monochromacy



Original Color

29.5159, 0.2850, 0.2210

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.3823, 0.3026, 0.2841

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5159, 0.2850, 0.2210 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(179, 127, 212)` looks like.

```
.text, #text, p{  
    color:rgb(179, 127, 212)  
}
```

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(179, 127, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 127, 212) }
```

Border

The CSS property to change the border of an element to Yxy 29.5159, 0.2850, 0.2210 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(179, 127, 212) }
```

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

```
.border{ border-color:rgb(179, 127, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 127, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 127, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 127, 212);  
box-shadow:4px 4px 4px 4px rgb(179, 127,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5159, 0.2850, 0.2210 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 127, 212) }
```

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

```
.background{ background-color: rgb(179,  
127, 212) }
```

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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