

Converting Colors

$Y_{xy}(29.4687, 0.2914, 0.2247)$

Have a look what the booklet for
Yxy(29.4687, 0.2914, 0.2247)
contains.

Yxy(29.4209, 0.2913, 0.2248)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.4209, 0.2913, 0.2248)

Conversions

Conversions Part 1

Format	Color
Hex	B67ED0
RGB	182, 126, 208
RGB Percent	71%, 49%, 82%
CMY	0.2865, 0.5057, 0.1844
CMYK	0.13, 0.39, 0.00, 0.18
HSL	281°, 47%, 65%
HSV	281°, 39%, 82%
XYZ	38.1241, 29.4209, 63.3308
YIQ	152.0920, 7.0540, 37.3740

Conversions

Conversions Part 2

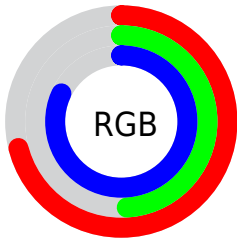
Format	Color
R_{YB}	182, 126, 208
Decimal	11960016
CIE _{Lab}	61.15, 36.19, -33.93
CIE _{LCh}	61, 49.610, 316.851
Yxy	29.4209, 0.2913, 0.2248
Android (android.graphics.Color)	4290150096 (0xFFB67ED0)
YUV	152.0920, 27.5626, 26.2293
Hunter-Lab	54.2410, 30.5397, -31.2572

Details

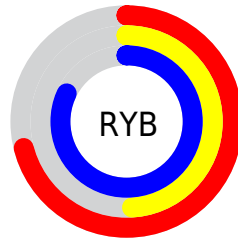
The Yxy color **29.4209, 0.2913, 0.2248** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **53.2928, 0.3259, 0.4421**, and the grayscale version is **31.3180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2132, 0.3038, 0.2527**, and **11.9213, 0.2832, 0.1966** is the 20% darker color. If you saturate the color by 10%, you get **23.8572, 0.2838, 0.1979**, and if you desaturate by 10%, it is **36.1308, 0.2980, 0.2523**.

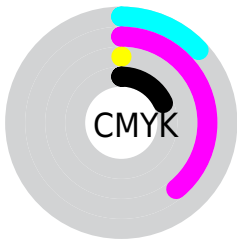
Distribution



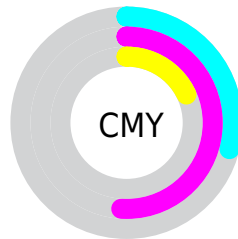
- Red (71%)
- Green (49%)
- Blue (82%)



- Red (71%)
- Yellow (49%)
- Blue (82%)



- Cyan (13%)
- Magenta (39%)
- Yellow (0%)
- Black (18%)





- Cyan (29%)
- Magenta (51%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4209, 0.2913, 0.2248 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 29.4209, 0.2913, 0.2248 by changing the saturation by 10% instead.


 29.4209, 0.2913,
0.2248


 29.4209, 0.2913,
0.2248


299.1957, 0.3040,
0.2761

 19.3995, 0.2875,
0.2124


 58.7452, 0.2964,
0.2432

 11.9593, 0.2823,
0.1969


 78.8167, 0.2982,
0.2502

 6.7159, 0.2748,
0.1769


 103.0072, 0.2996,
0.2561

 3.2851, 0.2634,
0.1504

131.7008, 0.3008,
0.2612

 1.2823, 0.2446,
0.1147

165.2821, 0.3018,
0.2657

 0.1275, 0.2194,
0.0275

204.1355, 0.3027,

 0.0000, 0.0000,

0.2696

0.0000

248.6452, 0.3034,
0.2730

■ 29.4209, 0.2913,
0.2248

■ 29.4209, 0.2913,
0.2248

■ 23.8572, 0.2838,
0.1979

■ 36.1308, 0.2980,
0.2523

■ 19.3664, 0.2757,
0.1729

■ 44.0467, 0.3038,
0.2796

■ 15.8725, 0.2672,
0.1508

■ 53.2289, 0.3088,
0.3058

■ 13.2876, 0.2585,
0.1329

■ 63.7320, 0.3129,
0.3304

■ 11.5077, 0.2500,
0.1197

■ 75.6080, 0.3164,
0.3533

■ 10.3555, 0.2419,
0.1108

■ 88.9055, 0.3192,
0.3742

■ 10.2932, 0.2414,
0.1104

■ 92.6011, 0.3231,
0.3777

■ 93.7043, 0.3273,
0.3771

■ 94.8493, 0.3316,
0.3764

Harmonies

Analogous

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



29.4209, 0.2248, 0.2083



29.4209, 0.2913, 0.2248



29.4209, 0.3740, 0.2619

Triad

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



29.4209, 0.2913, 0.2248



29.4209, 0.4505, 0.4289



29.4209, 0.1944, 0.3246

Complementary

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



29.4209, 0.2913, 0.2248



53.2928, 0.3259, 0.4421

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.



29.4209, 0.2444, 0.4119



29.4209, 0.2913, 0.2248



29.4209, 0.3923, 0.4713

Square

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



29.4209, 0.2913, 0.2248



29.4209, 0.4725, 0.3715



29.4209, 0.3169, 0.4711



29.4209, 0.1751, 0.2545

Rectangle

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



29.4209, 0.2913, 0.2248



29.4209, 0.4245, 0.2951



29.4209, 0.3169, 0.4711



29.4209, 0.2078, 0.3536

Sweetspot

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



29.4221, 0.2913, 0.2248



80.2085, 0.3075, 0.2987



31.8897, 0.2466, 0.2501



16.7468, 0.3069, 0.2953



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.



29.4221, 0.2913, 0.2248



39.3276, 0.2853, 0.2028



32.2482, 0.3310, 0.2468



11.8128, 0.3088, 0.3057



6.4703, 0.2425, 0.1110



0.4032, 0.2573, 0.1191

Inverse Universe

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



30.6083, 0.3788, 0.2962



41.6563, 0.3998, 0.2897



51.4252, 0.2989, 0.4285



11.8693, 0.3241, 0.3216



8.6194, 0.5681, 0.2903



0.4963, 0.5155, 0.2613

Previews

White Background



This preview shows how the Yxy color 29.4209, 0.2913, 0.2248 looks on a white background.

Color Contrast Check

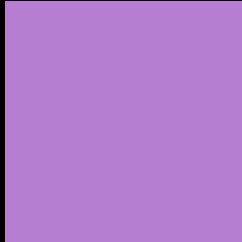
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4209, 0.2913, 0.2248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

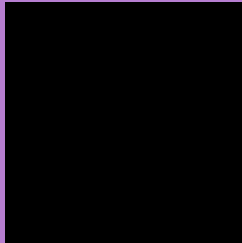
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4209, 0.2913, 0.2248

Background



This preview shows how black text looks on a background with the Yxy color 29.4209, 0.2913, 0.2248.



This preview shows how white text looks on a background with the Yxy color 29.4209, 0.2913, 0.2248.

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

29.4209, 0.2913, 0.2248

Protanopia

29.6257, 0.2311, 0.2186

Deuteranopia

29.6632, 0.2505, 0.2445



Tritanopia

29.5194, 0.3398, 0.3145

Trichromacy



Original Color

29.4209, 0.2913, 0.2248

Protanomaly

29.0786, 0.2499, 0.2197

Deuteranomaly

29.2626, 0.2641, 0.2368

Tritanomaly

29.1826, 0.3216, 0.2786

Monochromacy



Original Color

29.4209, 0.2913, 0.2248

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.4100, 0.3055, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4209, 0.2913, 0.2248 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, 126, 208)` looks like.

```
.text, #text, p{  
    color:rgb(182, 126, 208)  
}
```

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, 126, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 126, 208) }
```

Border

The CSS property to change the border of an element to Yxy 29.4209, 0.2913, 0.2248 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, 126, 208) }
```

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

```
.border{ border-color:rgb(182, 126, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 126, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 126, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 126, 208);  
box-shadow:4px 4px 4px 4px rgb(182, 126,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4209, 0.2913, 0.2248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 126, 208) }
```

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

```
.background{ background-color: rgb(182,  
126, 208) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor