

Converting Colors

$Y_{xy}(29.0986, 0.2885, 0.2318)$

Have a look what the booklet for
Yxy(29.0986, 0.2885, 0.2318)
contains.

Yxy(29.1263, 0.2890, 0.2318)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.1263, 0.2890, 0.2318)

Conversions

Conversions Part 1

Format	Color
Hex	AF81CB
RGB	175, 129, 203
RGB Percent	69%, 51%, 80%
CMY	0.3136, 0.4941, 0.2039
CMYK	0.14, 0.36, 0.00, 0.20
HSL	277°, 42%, 65%
HSV	277°, 36%, 80%
XYZ	36.3136, 29.1263, 60.2128
YIQ	151.1900, 3.6620, 32.7660

Conversions

Conversions Part 2

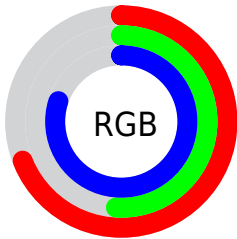
Format	Color
R _Y B	175, 129, 203
Decimal	11502027
CIE Lab	60.89, 31.38, -31.59
CIE LCh	61, 44.523, 314.807
Yxy	29.1263, 0.2890, 0.2318
Android (android.graphics.Color)	4289692107 (0xFFAF81CB)
YUV	151.1900, 25.5423, 20.8814
Hunter-Lab	53.9688, 25.6608, -28.3715

Details

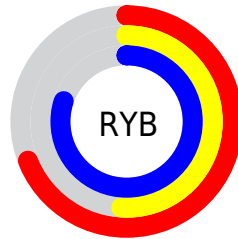
The Yxy color **29.1263, 0.2890, 0.2318** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.4663, 0.3287, 0.4313**, and the grayscale version is **30.9216, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6648, 0.2976, 0.2534**, and **11.8268, 0.2786, 0.2046** is the 20% darker color. If you saturate the color by 10%, you get **23.4374, 0.2802, 0.2038**, and if you desaturate by 10%, it is **35.9305, 0.2968, 0.2599**.

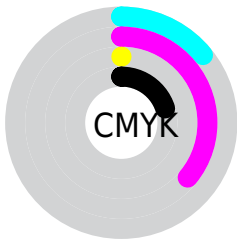
Distribution



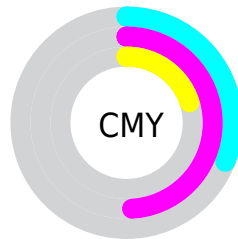
- Red (69%)
- Green (51%)
- Blue (80%)



- Red (69%)
- Yellow (51%)
- Blue (80%)



- Cyan (14%)
- Magenta (36%)
- Yellow (0%)
- Black (20%)




- Cyan (31%)
- Magenta (49%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1263, 0.2890, 0.2318 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 29.1263, 0.2890, 0.2318 by changing the saturation by 10% instead.


 29.1263, 0.2890,
0.2318


 29.1263, 0.2890,
0.2318


297.8104, 0.3027,
0.2802

 19.1764, 0.2850,
0.2199


 58.2777, 0.2944,
0.2493

 11.7978, 0.2795,
0.2049


 78.2480, 0.2963,
0.2559

 6.6061, 0.2717,
0.1854


 102.3271, 0.2979,
0.2615

 3.2170, 0.2597,
0.1592

130.8996, 0.2992,
0.2663

 1.2461, 0.2400,
0.1231

164.3498, 0.3003,
0.2705

 0.0989, 0.2147,
0.0247

203.0620, 0.3012,

 0.0000, 0.0000,

0.2741

0.0000

247.4208, 0.3020,
0.2774

■ 29.1263, 0.2890,
0.2318

■ 29.1263, 0.2890,
0.2318

■ 23.4374, 0.2802,
0.2038

■ 35.9305, 0.2968,
0.2599

■ 18.7961, 0.2707,
0.1771

■ 43.9051, 0.3036,
0.2872

■ 15.1327, 0.2606,
0.1529


■ 53.1061, 0.3094,
0.3132


■ 12.3675, 0.2504,
0.1324


■ 63.5845, 0.3144,
0.3373


■ 10.4075, 0.2403,
0.1166

■ 75.3886, 0.3184,
0.3595


 9.1334, 0.2308,
0.1059

 88.5639, 0.3218,
0.3797

 8.7675, 0.2275,
0.1027

 92.4492, 0.3263,
0.3829

 93.7380, 0.3313,
0.3821

 95.0833, 0.3363,
0.3812

Harmonies

Analogous

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



29.1263, 0.2295, 0.2182



29.1263, 0.2890, 0.2318



29.1263, 0.3632, 0.2651

Triad

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



29.1263, 0.2890, 0.2318



29.1263, 0.4411, 0.4183



29.1263, 0.2073, 0.3311

Complementary

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



29.1263, 0.2890, 0.2318



51.4663, 0.3287, 0.4313

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.



29.1263, 0.2555, 0.4077



29.1263, 0.2890, 0.2318



29.1263, 0.3906, 0.4564

Square

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



29.1263, 0.2890, 0.2318



29.1263, 0.4569, 0.3659



29.1263, 0.3226, 0.4573



29.1263, 0.1870, 0.2657

Rectangle

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



29.1263, 0.2890, 0.2318



29.1263, 0.4093, 0.2954



29.1263, 0.3226, 0.4573



29.1263, 0.2205, 0.3570

Sweetspot

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



29.1275, 0.2890, 0.2318



81.4347, 0.3068, 0.3012



33.2163, 0.2528, 0.2628



16.9797, 0.3060, 0.2977



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.



29.1275, 0.2890, 0.2318



40.8885, 0.2820, 0.2090



32.3079, 0.3255, 0.2488



11.1837, 0.3078, 0.3057



5.6326, 0.2288, 0.1034



0.3332, 0.2468, 0.1133

Inverse Universe

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



30.8296, 0.3666, 0.2931



44.3570, 0.3844, 0.2851



49.2066, 0.3022, 0.4252



11.2827, 0.3232, 0.3203



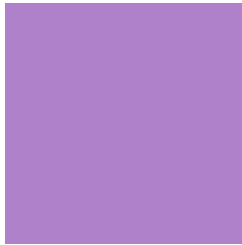
8.4351, 0.5447, 0.2774



0.4498, 0.4915, 0.2481

Previews

White Background



This preview shows how the Yxy color 29.1263, 0.2890, 0.2318 looks on a white background.

Color Contrast Check

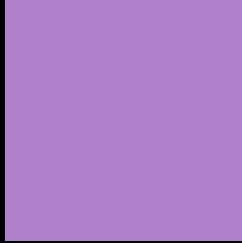
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1263, 0.2890, 0.2318 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

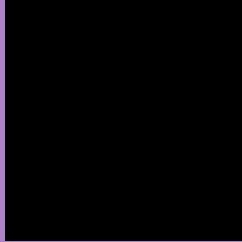
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1263, 0.2890, 0.2318

Background



This preview shows how black text looks on a background with the Yxy color 29.1263, 0.2890, 0.2318.



This preview shows how white text looks on a background with the Yxy color 29.1263, 0.2890, 0.2318.

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

29.1263, 0.2890, 0.2318

Protanopia

29.4938, 0.2383, 0.2280

Deuteranopia

29.3265, 0.2546, 0.2483



Tritanopia

29.2060, 0.3309, 0.3127

Trichromacy



Original Color

29.1263, 0.2890, 0.2318

Protanomaly

29.0080, 0.2548, 0.2287

Deuteranomaly

28.9782, 0.2663, 0.2412

Tritanomaly

29.0566, 0.3150, 0.2804

Monochromacy



Original Color

29.1263, 0.2890, 0.2318

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

30.0208, 0.3043, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1263, 0.2890, 0.2318 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(175, 129, 203)` looks like.

```
.text, #text, p{  
    color:rgb(175, 129, 203)  
}
```

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(175, 129, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 129, 203) }
```

Border

The CSS property to change the border of an element to Yxy 29.1263, 0.2890, 0.2318 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(175, 129, 203) }
```

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

```
.border{ border-color:rgb(175, 129, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 129, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 129, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 129, 203);  
box-shadow:4px 4px 4px 4px rgb(175, 129,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1263, 0.2890, 0.2318 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 129, 203) }
```

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

```
.background{ background-color: rgb(175,  
129, 203) }
```

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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