

Converting Colors

$Y_{xy}(29.8444, 0.2760, 0.2125)$

Have a look what the booklet for
Yxy(29.8444, 0.2760, 0.2125)
contains.

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Color

Yxy(30.0059, 0.2758, 0.2127)

Conversions

Conversions Part 1

Format	Color
Hex	B180DD
RGB	177, 128, 221
RGB Percent	69%, 50%, 87%
CMY	0.3058, 0.4981, 0.1333
CMYK	0.20, 0.42, 0.00, 0.13
HSL	272°, 58%, 68%
HSV	272°, 42%, 87%
XYZ	38.9075, 30.0059, 72.1581
YIQ	153.2530, -0.6490, 39.3110

Conversions

Conversions Part 2

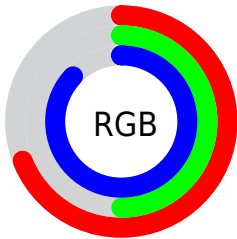
Format	Color
RYB	177, 128, 221
Decimal	11632861
CIELab	61.66, 36.51, -40.47
CIELCh	62, 54.511, 312.054
Yxy	30.0059, 0.2758, 0.2127
Android (android.graphics.Color)	4289822941 (0xFFB180DD)
YUV	153.2530, 33.3993, 20.8261
Hunter-Lab	54.7776, 30.9243, -39.7578

Details

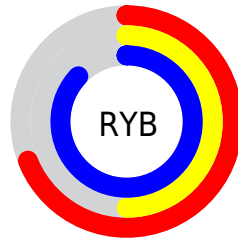
The Yxy color **30.0059, 0.2758, 0.2127** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **62.0475, 0.3371, 0.4472**, and the grayscale version is **31.8242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1683, 0.2999, 0.2539**, and **12.3030, 0.2622, 0.1839** is the 20% darker color. If you saturate the color by 10%, you get **23.6756, 0.2641, 0.1837**, and if you desaturate by 10%, it is **37.6882, 0.2865, 0.2422**.

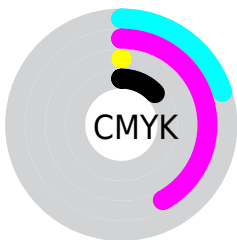
Distribution



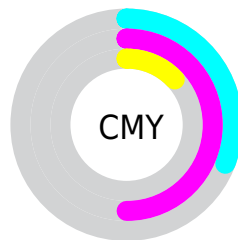
- Red (69%)
- Green (50%)
- Blue (87%)



- Red (69%)
- Yellow (50%)
- Blue (87%)



- Cyan (20%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)





- Cyan (31%)
- Magenta (50%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0059, 0.2758, 0.2127 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 30.0059, 0.2758, 0.2127 by changing the saturation by 10% instead.


 30.0059, 0.2758,
0.2127


 30.0059, 0.2758,
0.2127


301.9320, 0.2966,
0.2692


 19.8431, 0.2700,
0.1994


 59.6715, 0.2838,
0.2327

 12.2810, 0.2623,
0.1829


 79.9431, 0.2867,
0.2403

 6.9354, 0.2515,
0.1620


 104.3530, 0.2891,
0.2469

 3.4217, 0.2359,
0.1350

133.2857, 0.2911,
0.2526

 1.3557, 0.2119,
0.1000

167.1255, 0.2928,
0.2575

 0.1837, 0.1774,
0.0300

206.2569, 0.2942,


 0.0000, 0.0065,


0.2619

0.0000


251.0643, 0.2955,
0.2657

 0.0000, 0.0000,
0.0000


 30.0059, 0.2758,
0.2127


 30.0059, 0.2758,
0.2127


 23.6756, 0.2641,
0.1837


 37.6882, 0.2865,
0.2422


 18.6092, 0.2516,
0.1564


 46.7957, 0.2960,
0.2710

 14.7135, 0.2390,
0.1324

 57.4009, 0.3043,
0.2984

 11.8803, 0.2266,
0.1130

 69.5698, 0.3114,
0.3239

 9.9801, 0.2150,
0.0989

 83.3646, 0.3174,
0.3473

8.9690, 0.2066,
0.0912

95.2198, 0.3229,
0.3631

97.0993, 0.3296,
0.3624

98.0013, 0.3327,
0.3621

Harmonies

Analogous

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



30.0059, 0.2090, 0.1989



30.0059, 0.2758, 0.2127



30.0059, 0.3646, 0.2490

Triad

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



30.0059, 0.2758, 0.2127



30.0059, 0.4682, 0.4253



30.0059, 0.1911, 0.3383

Complementary

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



30.0059, 0.2758, 0.2127



62.0475, 0.3371, 0.4472

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.



30.0059, 0.2492, 0.4344



30.0059, 0.2758, 0.2127



30.0059, 0.4091, 0.4775

Square

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



30.0059, 0.2758, 0.2127



30.0059, 0.4854, 0.3626



30.0059, 0.3292, 0.4897



30.0059, 0.1660, 0.2570

Rectangle

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



30.0059, 0.2758, 0.2127



30.0059, 0.4225, 0.2828



30.0059, 0.3292, 0.4897



30.0059, 0.2070, 0.3711

Sweetspot

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



30.0071, 0.2758, 0.2127



77.7902, 0.3035, 0.2957



39.6784, 0.2448, 0.2633



15.9229, 0.3018, 0.2897



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.



30.0071, 0.2758, 0.2127



33.2784, 0.2649, 0.1856



35.9492, 0.3190, 0.2276



12.9533, 0.3063, 0.3054



5.2775, 0.2082, 0.0920



0.3931, 0.2255, 0.1016

Inverse Universe

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



33.7879, 0.3689, 0.2771



39.4787, 0.3877, 0.2663



57.9089, 0.3058, 0.4568



13.1535, 0.3218, 0.3180



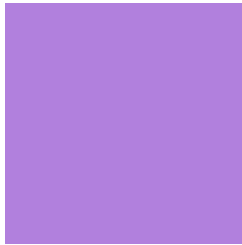
9.5390, 0.5064, 0.2563



0.6353, 0.4683, 0.2353

Previews

White Background



This preview shows how the Yxy color 30.0059, 0.2758, 0.2127 looks on a white background.

Color Contrast Check

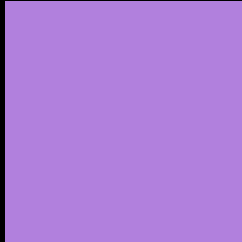
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0059, 0.2758, 0.2127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

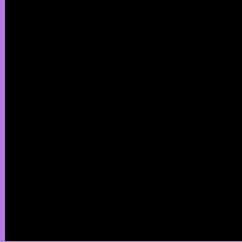
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0059, 0.2758, 0.2127

Background



This preview shows how black text looks on a background with the Yxy color 30.0059, 0.2758, 0.2127.



This preview shows how white text looks on a background with the Yxy color 30.0059, 0.2758, 0.2127.

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

30.0059, 0.2758, 0.2127

Protanopia

30.3170, 0.2217, 0.2060

Deuteranopia

30.2545, 0.2364, 0.2308



Tritanopia

30.0850, 0.3262, 0.3128

Trichromacy



Original Color

30.0059, 0.2758, 0.2127

Protanomaly

29.6380, 0.2382, 0.2068

Deuteranomaly

29.7744, 0.2489, 0.2234

Tritanomaly

29.9374, 0.3070, 0.2728

Monochromacy



Original Color

30.0059, 0.2758, 0.2127

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.8423, 0.2989, 0.2802

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0059, 0.2758, 0.2127 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(177, 128, 221)` looks like.

```
.text, #text, p{  
    color:rgb(177, 128, 221)  
}
```

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(177, 128, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 128, 221) }
```

Border

The CSS property to change the border of an element to Yxy 30.0059, 0.2758, 0.2127 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(177, 128, 221) }
```

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

```
.border{ border-color:rgb(177, 128, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 128, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 128, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 128, 221);  
box-shadow:4px 4px 4px 4px rgb(177, 128,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0059, 0.2758, 0.2127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 128, 221) }
```

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

```
.background{ background-color: rgb(177,  
128, 221) }
```

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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