

Converting Colors

$Y_{xy}(30.4298, 0.2640, 0.2071)$

Have a look what the booklet for
Yxy(30.4298, 0.2640, 0.2071)
contains.

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Color

Yxy(30.4358, 0.2638, 0.2067)

Conversions

Conversions Part 1

Format	Color
Hex	AA83E5
RGB	170, 131, 229
RGB Percent	67%, 51%, 90%
CMY	0.3332, 0.4863, 0.1019
CMYK	0.26, 0.43, 0.00, 0.10
HSL	264°, 65%, 71%
HSV	264°, 43%, 90%
XYZ	38.8436, 30.4358, 77.9669
YIQ	153.8330, -8.2140, 38.7460

Conversions

Conversions Part 2

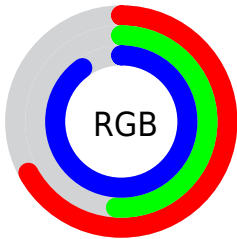
Format	Color
R _Y B	170, 131, 229
Decimal	11174885
CIE Lab	62.03, 34.72, -44.40
CIE LCh	62, 56.360, 308.026
Yxy	30.4358, 0.2638, 0.2067
Android (android.graphics.Color)	4289364965 (0xFFAA83E5)
YUV	153.8330, 37.0573, 14.1785
Hunter-Lab	55.1687, 29.1345, -45.1733

Details

The Yxy color **30.4358, 0.2638, 0.2067** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **68.6283, 0.3467, 0.4460**, and the grayscale version is **32.0768, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.2488, 0.2947, 0.2559**, and **12.5468, 0.2468, 0.1764** is the 20% darker color. If you saturate the color by 10%, you get **23.4946, 0.2489, 0.1757**, and if you desaturate by 10%, it is **38.8997, 0.2776, 0.2378**.

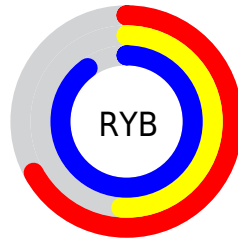
Distribution



Red (67%)

Green (51%)

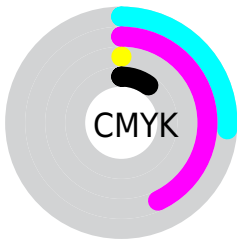
Blue (90%)



Red (67%)

Yellow (51%)

Blue (90%)

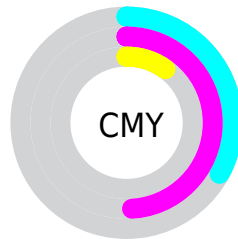


Cyan (26%)

Magenta (43%)

Yellow (0%)

Black (10%)



Cyan (33%)


Magenta (49%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4358, 0.2638, 0.2067 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 30.4358, 0.2638, 0.2067 by changing the saturation by 10% instead.


 30.4358, 0.2638,
0.2067


 30.4358, 0.2638,
0.2067


303.9306, 0.2906,
0.2657

 20.1696, 0.2566,
0.1930


 60.3507, 0.2740,
0.2275

 12.5184, 0.2471,
0.1760


 80.7682, 0.2777,
0.2355

 7.0978, 0.2343,
0.1548


 105.3382, 0.2808,
0.2423

 3.5233, 0.2161,
0.1277

134.4452, 0.2833,
0.2482

 1.4107, 0.1892,
0.0933

168.4735, 0.2856,
0.2534

 0.2246, 0.1510,
0.0314

207.8076, 0.2875,


 0.0000, 0.0032,

0.2580


0.0000


252.8318, 0.2891,
0.2621

 0.0000, 0.0000,
0.0000


 30.4358, 0.2638,
0.2067


 30.4358, 0.2638,
0.2067


 23.4946, 0.2489,
0.1757


 38.8997, 0.2776,
0.2378


 17.9770, 0.2334,
0.1465

 48.9698, 0.2900,
0.2679


 13.7775, 0.2180,
0.1207


 60.7276, 0.3009,
0.2962

 10.7735, 0.2036,
0.1000


 74.2479, 0.3103,
0.3222

 8.8177, 0.1908,
0.0853

 89.6009, 0.3184,
0.3457

 7.8936, 0.1829,
0.0781

 98.0061, 0.3265,
0.3543

 98.4380, 0.3280,
0.3542

Harmonies

Analogous

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



30.4358, 0.1997, 0.1960



30.4358, 0.2638, 0.2067



30.4358, 0.3531, 0.2409

Triad

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



30.4358, 0.2638, 0.2067



30.4358, 0.4773, 0.4185



30.4358, 0.1940, 0.3518

Complementary

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



30.4358, 0.2638, 0.2067



68.6283, 0.3467, 0.4460

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.



30.4358, 0.2573, 0.4493



30.4358, 0.2638, 0.2067



30.4358, 0.4209, 0.4754

Square

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



30.4358, 0.2638, 0.2067



30.4358, 0.4883, 0.3542



30.4358, 0.3405, 0.4968



30.4358, 0.1640, 0.2639

Rectangle

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



30.4358, 0.2638, 0.2067



30.4358, 0.4145, 0.2740



30.4358, 0.3405, 0.4968



30.4358, 0.2117, 0.3860

Sweetspot

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



30.4370, 0.2638, 0.2067



77.0544, 0.3006, 0.2954



47.9350, 0.2465, 0.2798



15.7418, 0.2983, 0.2893



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.



30.4370, 0.2638, 0.2067



31.1928, 0.2512, 0.1803



36.7276, 0.3069, 0.2208



14.1658, 0.3042, 0.3051



4.5780, 0.1844, 0.0790



0.3911, 0.2008, 0.0880

Inverse Universe

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



36.6058, 0.3565, 0.2625



40.2357, 0.3691, 0.2501



63.4738, 0.3135, 0.4591



14.5129, 0.3199, 0.3150



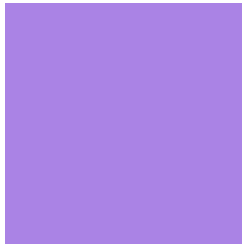
10.5941, 0.4529, 0.2269



0.8011, 0.4285, 0.2134

Previews

White Background



This preview shows how the Yxy color 30.4358, 0.2638, 0.2067 looks on a white background.

Color Contrast Check

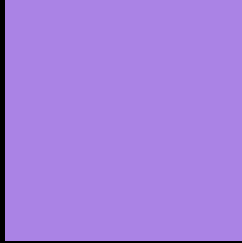
Large Text (above 18pt) WCAG AA × Fail

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 30.4358, 0.2638, 0.2067 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

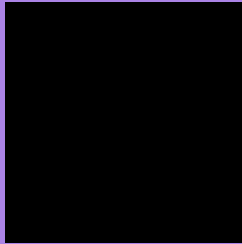
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4358, 0.2638, 0.2067

Background



This preview shows how black text looks on a background with the Yxy color 30.4358, 0.2638, 0.2067.



This preview shows how white text looks on a background with the Yxy color 30.4358, 0.2638, 0.2067.

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

30.4358, 0.2638, 0.2067

Protanopia

30.7832, 0.2175, 0.2011

Deuteranopia

30.5760, 0.2285, 0.2224



Tritanopia

30.5042, 0.3125, 0.3124

Trichromacy



Original Color

30.4358, 0.2638, 0.2067

Protanomaly

30.2093, 0.2313, 0.2018

Deuteranomaly

29.9879, 0.2396, 0.2152

Tritanomaly

30.1918, 0.2935, 0.2679

Monochromacy



Original Color

30.4358, 0.2638, 0.2067

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.3675, 0.2943, 0.2788

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4358, 0.2638, 0.2067 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(170, 131, 229)` looks like.

```
.text, #text, p{  
    color:rgb(170, 131, 229)  
}
```

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(170, 131, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 131, 229) }
```

Border

The CSS property to change the border of an element to Yxy 30.4358, 0.2638, 0.2067 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(170, 131, 229) }
```

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

```
.border{ border-color:rgb(170, 131, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 131, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 131, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 131, 229);  
box-shadow:4px 4px 4px 4px rgb(170, 131,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4358, 0.2638, 0.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 131, 229) }
```

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

```
.background{ background-color: rgb(170,  
131, 229) }
```

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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