

Converting Colors

$Y_{xy}(36.4678, 0.2709, 0.2161)$

Have a look what the booklet for
Yxy(36.4678, 0.2709, 0.2161)
contains.

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Color

Yxy(36.6176, 0.2714, 0.2170)

Conversions

Conversions Part 1

Format	Color
Hex	BA90EF
RGB	186, 144, 239
RGB Percent	73%, 56%, 94%
CMY	0.2707, 0.4352, 0.0627
CMYK	0.22, 0.40, 0.00, 0.06
HSL	266°, 75%, 75%
HSV	266°, 40%, 94%
XYZ	45.7973, 36.6176, 86.3298
YIQ	167.3880, -5.4630, 38.4490

Conversions

Conversions Part 2

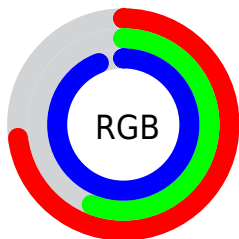
Format	Color
R _Y B	186, 144, 239
Decimal	12226799
CIE Lab	66.99, 34.27, -42.03
CIE LCh	67, 54.230, 309.199
Yxy	36.6176, 0.2714, 0.2170
Android (android.graphics.Color)	4290416879 (0xFFBA90EF)
YUV	167.3880, 35.3047, 16.3227
Hunter-Lab	60.5125, 29.1963, -42.2270

Details

The Yxy color **36.6176, 0.2714, 0.2170** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **75.6393, 0.3418, 0.4385**, and the grayscale version is **38.6688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6629, 0.3065, 0.2717**, and **16.0729, 0.2578, 0.1899** is the 20% darker color. If you saturate the color by 10%, you get **28.5338, 0.2577, 0.1864**, and if you desaturate by 10%, it is **46.3932, 0.2839, 0.2475**.

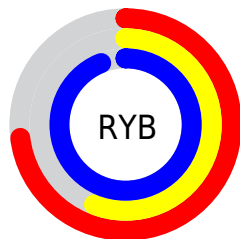
Distribution



Red (73%)

Green (56%)

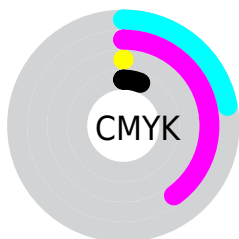
Blue (94%)



Red (73%)

Yellow (56%)

Blue (94%)

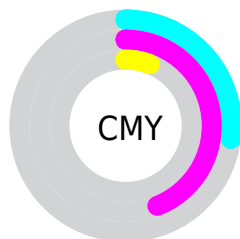


Cyan (22%)

Magenta (40%)

Yellow (0%)

Black (6%)



Cyan (27%)


Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6176, 0.2714, 0.2170 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 36.6176, 0.2714, 0.2170 by changing the saturation by 10% instead.

 36.6176, 0.2714,
0.2170


 36.6176, 0.2714,
0.2170


331.6520, 0.2936,
0.2699

 24.9116, 0.2656,
0.2049


 69.9843, 0.2797,
0.2354

 16.0112, 0.2580,
0.1900


 92.4137, 0.2828,
0.2426

 9.5321, 0.2478,
0.1714


119.1863, 0.2853,
0.2488

 5.0898, 0.2336,
0.1477

150.6866, 0.2875,
0.2541

 2.3001, 0.2127,
0.1171

187.2989, 0.2893,
0.2588

 0.7737, 0.1806,
0.0775

229.4076, 0.2910,

 0.0000, 0.1250,

0.2629

0.0000

277.3972, 0.2924,
0.2666

0.0000, 0.0000,
0.0000

36.6176, 0.2714,
0.2170

36.6176, 0.2714,
0.2170

28.5338, 0.2577,
0.1864

46.3932, 0.2839,
0.2475

22.0355, 0.2433,
0.1571

57.9493, 0.2950,
0.2769

17.0111, 0.2286,
0.1307

71.3734, 0.3046,
0.3044

13.3316, 0.2144,
0.1089

86.7461, 0.3129,
0.3296

10.8445, 0.2015,
0.0927

98.5809, 0.3206,
0.3445

■ 9.3020, 0.1902,
0.0822

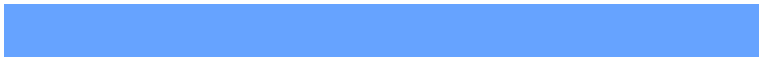
■ 99.0131, 0.3220,
0.3444

■ 9.2682, 0.1899,
0.0820

Harmonies

Analogous

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



36.6176, 0.2107, 0.2063



36.6176, 0.2714, 0.2170



36.6176, 0.3532, 0.2497

Triad

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



36.6176, 0.2714, 0.2170



36.6176, 0.4624, 0.4157



36.6176, 0.2027, 0.3468

Complementary

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



36.6176, 0.2714, 0.2170



75.6393, 0.3418, 0.4385

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.



36.6176, 0.2605, 0.4335



36.6176, 0.2714, 0.2170



36.6176, 0.4107, 0.4651

Square

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



36.6176, 0.2714, 0.2170



36.6176, 0.4728, 0.3565



36.6176, 0.3368, 0.4793



36.6176, 0.1753, 0.2683

Rectangle

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



36.6176, 0.2714, 0.2170



36.6176, 0.4080, 0.2811



36.6176, 0.3368, 0.4793



36.6176, 0.2189, 0.3771

Sweetspot

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



36.6191, 0.2714, 0.2170



78.9080, 0.3025, 0.2982



52.4846, 0.2499, 0.2776



16.4406, 0.3013, 0.2947



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.



36.6191, 0.2714, 0.2170



34.4049, 0.2600, 0.1912



43.4559, 0.3117, 0.2294



15.5702, 0.3049, 0.3051



5.1958, 0.1915, 0.0829



0.4902, 0.2061, 0.0909

Inverse Universe

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



42.3408, 0.3566, 0.2712



42.1410, 0.3700, 0.2594



70.2759, 0.3108, 0.4498



15.9067, 0.3206, 0.3159



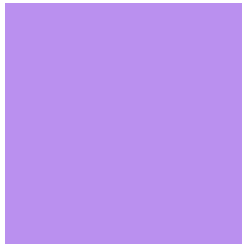
11.1111, 0.4711, 0.2369



0.9443, 0.4459, 0.2230

Previews

White Background



This preview shows how the Yxy color 36.6176, 0.2714, 0.2170 looks on a white background.

Color Contrast Check

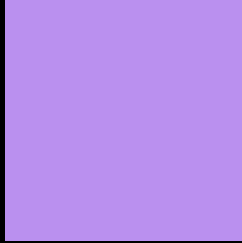
Large Text (above 18pt) WCAG AA × Fail

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 36.6176, 0.2714, 0.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

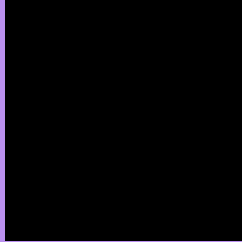
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6176, 0.2714, 0.2170

Background



This preview shows how black text looks on a background with the Yxy color 36.6176, 0.2714, 0.2170.

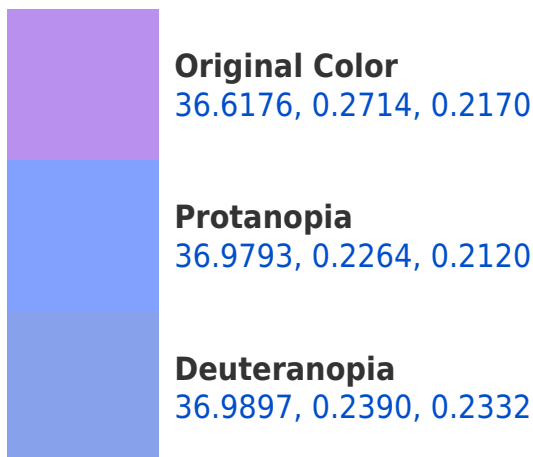


This preview shows how white text looks on a background with the Yxy color 36.6176, 0.2714, 0.2170.

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





Tritanopia

36.7352, 0.3164, 0.3124

Trichromacy



Original Color

36.6176, 0.2714, 0.2170



Protanomaly

36.3725, 0.2401, 0.2126



Deuteranomaly

36.3688, 0.2499, 0.2262



Tritanomaly

36.5617, 0.2985, 0.2736

Monochromacy



Original Color

36.6176, 0.2714, 0.2170



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

37.6452, 0.2974, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6176, 0.2714, 0.2170 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(186, 144, 239)` looks like.

```
.text, #text, p{  
    color:rgb(186, 144, 239)  
}
```

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(186, 144, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 144, 239) }
```

Border

The CSS property to change the border of an element to Yxy 36.6176, 0.2714, 0.2170 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(186, 144, 239) }
```

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

```
.border{ border-color:rgb(186, 144, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 144, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 144, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 144, 239);  
box-shadow:4px 4px 4px 4px rgb(186, 144,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6176, 0.2714, 0.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 144, 239) }
```

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

```
.background{ background-color: rgb(186,  
144, 239) }
```

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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