

Converting Colors

$Y_{xy}(35.3699, 0.2685, 0.2310)$

Have a look what the booklet for
Yxy(35.3699, 0.2685, 0.2310)
contains.

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Color

Yxy(35.3287, 0.2686, 0.2308)

Conversions

Conversions Part 1

Format	Color
Hex	AB94E2
RGB	171, 148, 226
RGB Percent	67%, 58%, 89%
CMY	0.3294, 0.4196, 0.1136
CMYK	0.24, 0.35, 0.00, 0.11
HSL	258°, 57%, 73%
HSV	258°, 35%, 89%
XYZ	41.1148, 35.3287, 76.6272
YIQ	163.7690, -11.3300, 29.1340

Conversions

Conversions Part 2

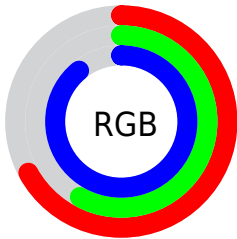
Format	Color
R_{YB}	171, 148, 226
Decimal	11244770
CIE _{Lab}	66.00, 24.68, -36.51
CIE _{LCh}	66, 44.070, 304.055
Yxy	35.3287, 0.2686, 0.2308
Android (android.graphics.Color)	4289434850 (0xFFAB94E2)
YUV	163.7690, 30.6799, 6.3416
Hunter-Lab	59.4380, 19.4567, -34.8299

Details

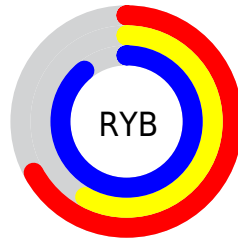
The Yxy color **35.3287, 0.2686, 0.2308** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **69.2504, 0.3470, 0.4202**, and the grayscale version is **36.8654, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7920, 0.2949, 0.2739**, and **15.2336, 0.2547, 0.2056** is the 20% darker color. If you saturate the color by 10%, you get **27.2346, 0.2524, 0.1984**, and if you desaturate by 10%, it is **45.0259, 0.2834, 0.2620**.

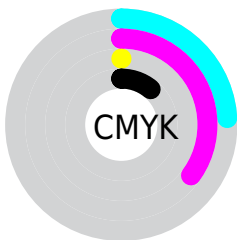
Distribution



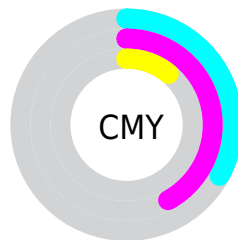
- Red (67%)
- Green (58%)
- Blue (89%)



- Red (67%)
- Yellow (58%)
- Blue (89%)



- Cyan (24%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)



- Cyan (33%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3287, 0.2686, 0.2308 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 35.3287, 0.2686, 0.2308 by changing the saturation by 10% instead.


 35.3287, 0.2686,
0.2308


 35.3287, 0.2686,
0.2308


326.0168, 0.2920,
0.2785

 23.9162, 0.2625,
0.2195


 67.9947, 0.2773,
0.2477

 15.2715, 0.2545,
0.2054


 90.0169, 0.2806,
0.2542

 9.0101, 0.2437,
0.1875


116.3445, 0.2832,
0.2597

 4.7478, 0.2286,
0.1639

147.3619, 0.2855,
0.2645

 2.1001, 0.2062,
0.1324

183.4534, 0.2875,
0.2686

 0.6647, 0.1713,
0.0877

225.0035, 0.2892,

 0.0000, 0.0666,

0.2723

0.0000

272.3965, 0.2907,
0.2756

0.0000, 0.0000,
0.0000

35.3287, 0.2686,
0.2308

35.3287, 0.2686,
0.2308

27.2346, 0.2524,
0.1984

45.0259, 0.2834,
0.2620

20.6510, 0.2351,
0.1661

56.4037, 0.2966,
0.2912

15.4816, 0.2177,
0.1359

69.5395, 0.3081,
0.3178

11.6175, 0.2010,
0.1096

84.5045, 0.3179,
0.3418

8.9328, 0.1862,
0.0890

97.4675, 0.3270,
0.3574

■ 7.2750, 0.1739,
0.0753

■ 98.2728, 0.3297,
0.3571

■ 6.6727, 0.1684,
0.0702

Harmonies

Analogous

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



35.3287, 0.2203, 0.2258



35.3287, 0.2686, 0.2308



35.3287, 0.3348, 0.2561

Triad

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



35.3287, 0.2686, 0.2308



35.3287, 0.4422, 0.3967



35.3287, 0.2279, 0.3571

Complementary

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



35.3287, 0.2686, 0.2308



69.2504, 0.3470, 0.4202

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.



35.3287, 0.2811, 0.4225



35.3287, 0.2686, 0.2308



35.3287, 0.4056, 0.4382

Square

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



35.3287, 0.2686, 0.2308



35.3287, 0.4419, 0.3462



35.3287, 0.3462, 0.4526



35.3287, 0.1987, 0.2899

Rectangle

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



35.3287, 0.2686, 0.2308



35.3287, 0.3805, 0.2819



35.3287, 0.3462, 0.4526



35.3287, 0.2433, 0.3809

Sweetspot

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



35.3301, 0.2686, 0.2308



81.5429, 0.3019, 0.3034



54.9382, 0.2603, 0.3010



16.9397, 0.3003, 0.2996



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.



35.3301, 0.2686, 0.2308



39.0322, 0.2578, 0.2090



40.2461, 0.3015, 0.2396



13.4380, 0.3026, 0.3051



3.8589, 0.1698, 0.0709



0.3127, 0.1863, 0.0800

Inverse Universe

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



41.6672, 0.3377, 0.2668



48.6085, 0.3442, 0.2547



64.5384, 0.3192, 0.4287



13.8632, 0.3183, 0.3126



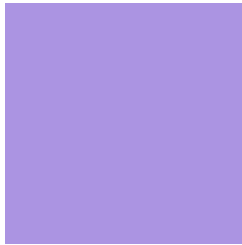
10.6819, 0.4122, 0.2045



0.7559, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 35.3287, 0.2686, 0.2308 looks on a white background.

Color Contrast Check

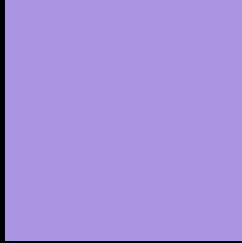
Large Text (above 18pt) WCAG AA × Fail

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 35.3287, 0.2686, 0.2308 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

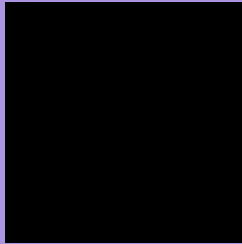
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.3287, 0.2686, 0.2308

Background



This preview shows how black text looks on a background with the Yxy color 35.3287, 0.2686, 0.2308.



This preview shows how white text looks on a background with the Yxy color 35.3287, 0.2686, 0.2308.

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

35.3287, 0.2686, 0.2308

Protanopia

35.5451, 0.2386, 0.2288

Deuteranopia

35.6671, 0.2472, 0.2416



Tritanopia

35.3519, 0.3032, 0.3103

Trichromacy



Original Color

35.3287, 0.2686, 0.2308

Protanomaly

35.1766, 0.2484, 0.2288

Deuteranomaly

35.4582, 0.2545, 0.2370

Tritanomaly

35.2478, 0.2900, 0.2781

Monochromacy



Original Color

35.3287, 0.2686, 0.2308

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

36.2571, 0.2960, 0.2890

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3287, 0.2686, 0.2308 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(171, 148, 226)` looks like.

```
.text, #text, p{  
    color:rgb(171, 148, 226)  
}
```

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(171, 148, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 148, 226) }
```

Border

The CSS property to change the border of an element to Yxy 35.3287, 0.2686, 0.2308 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(171, 148, 226) }
```

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

```
.border{ border-color:rgb(171, 148, 226) }
```

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

Here you see how a box with a 4 pixel rgb(171, 148, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 148, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 148, 226);  
box-shadow:4px 4px 4px 4px rgb(171, 148,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3287, 0.2686, 0.2308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 148, 226) }
```

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

```
.background{ background-color: rgb(171,  
148, 226) }
```

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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