

Converting Colors

$Yxy(45.3689, 0.2657, 0.2587)$

Have a look what the booklet for
Yxy(45.3689, 0.2657, 0.2587)
contains.

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Color

Yxy(45.3689, 0.2657, 0.2587)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A9B0E9 |
| RGB | 169, 176, 233 |
| RGB Percent | 66%, 69%, 91% |
| CMY | 0.3373, 0.3098, 0.0862 |
| CMYK | 0.27, 0.24, 0.00, 0.09 |
| HSL | 233°, 59%, 79% |
| HSV | 233°, 27%, 91% |
| XYZ | 46.5965, 45.3689, 83.4072 |
| YIQ | 180.4050, -22.4690, 16.2430 |

Conversions

Conversions Part 2

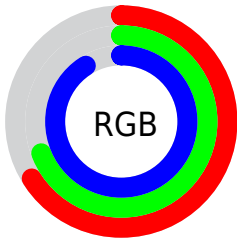
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 169, 175, 233 |
| Decimal | 11120873 |
| CIE Lab | 73.13, 10.05, -29.32 |
| CIE LCh | 73, 30.994, 288.929 |
| Yxy | 45.3689, 0.2657, 0.2587 |
| Android (android.graphics.Color) | 4289310953 (0xFFA9B0E9) |
| YUV | 180.4050, 25.9293, -10.0022 |
| Hunter-Lab | 67.3564, 5.6107, -26.2691 |

Details

The Yxy color $45.3689, 0.2657, 0.2587$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $74.5914, 0.3560, 0.3907$, and the grayscale version is $45.7386, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.9408, 0.2942, 0.3054$, and $21.2345, 0.2525, 0.2414$ is the 20% darker color. If you saturate the color by 10%, you get $35.4938, 0.2458, 0.2280$, and if you desaturate by 10%, it is $56.9508, 0.2843, 0.2869$.

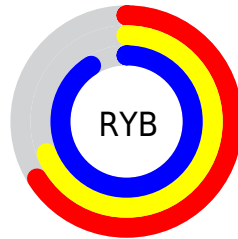
Distribution



Red (66%)

Green (69%)

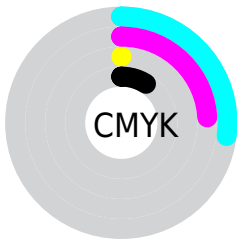
Blue (91%)



Red (66%)

Yellow (69%)

Blue (91%)

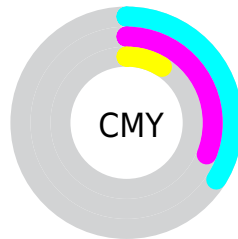


Cyan (27%)

Magenta (24%)

Yellow (0%)

Black (9%)



Cyan (34%)

Magenta (31%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.3689, 0.2657, 0.2587 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 45.3689, 0.2657, 0.2587 by changing the saturation by 10% instead.

■ 45.3689, 0.2657,
0.2587

■ 45.3689, 0.2657,
0.2587

■ 368.2656, 0.2891,
0.2926

■ 31.7481, 0.2599,
0.2507

■ 83.2737, 0.2742,
0.2707

■ 21.1692, 0.2526,
0.2406

■ 108.3265, 0.2774,
0.2753

■ 13.2477, 0.2431,
0.2277

■ 137.9587, 0.2801,
0.2793

■ 7.5993, 0.2301,
0.2106

■ 172.5548, 0.2824,
0.2827

■ 3.8397, 0.2116,
0.1871

■ 212.4992, 0.2844,
0.2856

■ 1.5843, 0.1836,
0.1533

■ 258.1761, 0.2862,

■ 0.3470, 0.1365,

0.2882

0.0823

309.9701, 0.2877,
0.2906

0.0000, 0.0000,
0.0000

45.3689, 0.2657,
0.2587

45.3689, 0.2657,
0.2587

35.4938, 0.2458,
0.2280

56.9508, 0.2843,
0.2869

27.2393, 0.2253,
0.1955

70.3093, 0.3012,
0.3121

20.5200, 0.2051,
0.1628

85.5170, 0.3164,
0.3343

15.2404, 0.1865,
0.1317

98.6644, 0.3256,
0.3503

11.2939, 0.1710,
0.1045

■ 8.5593, 0.1597,
0.0832

■ 6.8889, 0.1530,
0.0690

■ 6.6015, 0.1518,
0.0665

Harmonies

Analogous

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



45.3689, 0.2400, 0.2646



45.3689, 0.2657, 0.2587



45.3689, 0.3053, 0.2691

Triad

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



45.3689, 0.2657, 0.2587



45.3689, 0.4001, 0.3605



45.3689, 0.2739, 0.3691

Complementary

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



45.3689, 0.2657, 0.2587



74.5914, 0.3560, 0.3907

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.



45.3689, 0.3152, 0.4003



45.3689, 0.2657, 0.2587



45.3689, 0.3892, 0.3911

Square

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



45.3689, 0.2657, 0.2587



45.3689, 0.3855, 0.3253



45.3689, 0.3576, 0.4074



45.3689, 0.2443, 0.3262

Rectangle

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



45.3689, 0.2657, 0.2587



45.3689, 0.3352, 0.2837



45.3689, 0.3576, 0.4074



45.3689, 0.2868, 0.3816

Sweetspot

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



45.3707, 0.2657, 0.2587



85.2859, 0.3003, 0.3108



72.1908, 0.2768, 0.3376



17.6977, 0.2979, 0.3071



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.



45.3707, 0.2657, 0.2587



48.5283, 0.2545, 0.2415



45.6667, 0.2836, 0.2538



14.8143, 0.2980, 0.3073



3.8322, 0.1522, 0.0679



0.3894, 0.1570, 0.0850

Inverse Universe

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



48.8359, 0.3659, 0.3212



53.6270, 0.3814, 0.3195



74.6336, 0.3362, 0.4018



15.0808, 0.3276, 0.3265



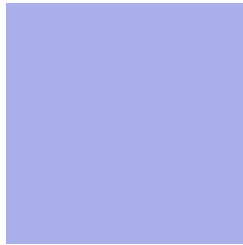
9.8797, 0.6268, 0.3226



0.7847, 0.5990, 0.3073

Previews

White Background



This preview shows how the Yxy color 45.3689, 0.2657, 0.2587 looks on a white background.

Color Contrast Check

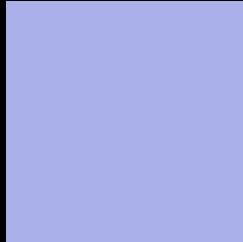
Large Text (above 18pt) WCAG AA × Fail

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 45.3689, 0.2657, 0.2587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

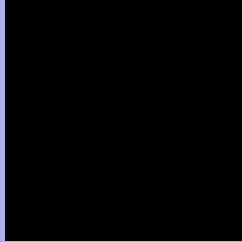
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.3689, 0.2657, 0.2587

Background



This preview shows how black text looks on a background with the Yxy color 45.3689, 0.2657, 0.2587.



This preview shows how white text looks on a background with the Yxy color 45.3689, 0.2657, 0.2587.

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

45.3689, 0.2657, 0.2587

Protanopia

45.2773, 0.2617, 0.2582

Deuteranopia

45.2587, 0.2650, 0.2586



Tritanopia

45.5796, 0.2853, 0.3103

Trichromacy



Original Color

45.3689, 0.2657, 0.2587

Protanomaly

45.4918, 0.2631, 0.2585

Deuteranomaly

45.2587, 0.2650, 0.2586

Tritanomaly

45.2950, 0.2783, 0.2900

Monochromacy



Original Color

45.3689, 0.2657, 0.2587

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

45.5938, 0.2947, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.3689, 0.2657, 0.2587 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(169, 176, 233)` looks like.

```
.text, #text, p{  
    color:rgb(169, 176, 233)  
}
```

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(169, 176, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 176, 233) }
```

Border

The CSS property to change the border of an element to Yxy 45.3689, 0.2657, 0.2587 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(169, 176, 233) }
```

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

```
.border{ border-color:rgb(169, 176, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 176, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 176, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 176, 233);  
box-shadow:4px 4px 4px 4px rgb(169, 176,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 45.3689, 0.2657, 0.2587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 176, 233) }
```

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

```
.background{ background-color: rgb(169,  
176, 233) }
```

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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