

Converting Colors

$Y_{xy}(45.9744, 0.2858, 0.2874)$

Have a look what the booklet for
Yxy(45.9744, 0.2858, 0.2874)
contains.

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Color

Yxy(45.7740, 0.2859, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	B0B2D3
RGB	176, 178, 211
RGB Percent	69%, 70%, 83%
CMY	0.3099, 0.3019, 0.1724
CMYK	0.17, 0.16, 0.00, 0.17
HSL	237°, 28%, 76%
HSV	237°, 17%, 83%
XYZ	45.5827, 45.7740, 68.0791
YIQ	181.1640, -11.7850, 9.8390

Conversions

Conversions Part 2

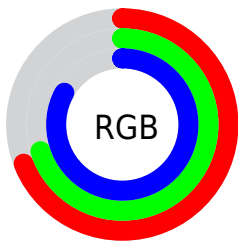
Format	Color
RYB	176, 178, 211
Decimal	11580115
CIELab	73.40, 6.03, -16.88
CIELCh	73, 17.930, 289.664
Yxy	45.7740, 0.2859, 0.2871
Android (android.graphics.Color)	4289770195 (0xFFB0B2D3)
YUV	181.1640, 14.7091, -4.5288
Hunter-Lab	67.6565, 1.8632, -12.3008

Details

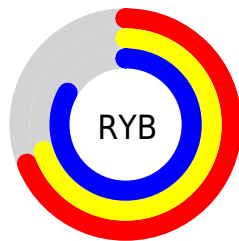
The Yxy color $45.7740, 0.2859, 0.2871$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $62.5923, 0.3379, 0.3677$, and the grayscale version is $46.2258, 0.3127, 0.3290$.

A 20% lighter version of the original color is $83.2214, 0.2987, 0.3078$, and $21.2785, 0.2785, 0.2756$ is the 20% darker color. If you saturate the color by 10%, you get $36.1559, 0.2673, 0.2577$, and if you desaturate by 10%, it is $56.9255, 0.3027, 0.3134$.

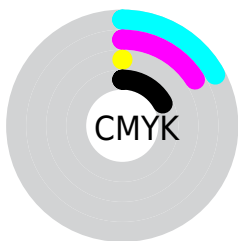
Distribution



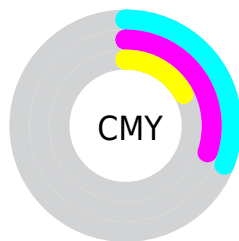
- Red (69%)
- Green (70%)
- Blue (83%)



- Red (69%)
- Yellow (70%)
- Blue (83%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (17%)



- Cyan (31%)
- Magenta (30%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7740, 0.2859, 0.2871 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 45.7740, 0.2859, 0.2871 by changing the saturation by 10% instead.

■ 45.7740, 0.2859,
0.2871

■ 45.7740, 0.2859,
0.2871

369.8993, 0.2994,
0.3077

■ 32.0675, 0.2825,
0.2821

■ 83.8807, 0.2908,
0.2945

■ 21.4131, 0.2782,
0.2757

109.0496, 0.2926,
0.2973

■ 13.4263, 0.2725,
0.2674

138.8082, 0.2942,
0.2997

■ 7.7227, 0.2646,
0.2560

173.5408, 0.2955,
0.3017

■ 3.9180, 0.2528,
0.2395

213.6319, 0.2967,
0.3035

■ 1.6278, 0.2339,
0.2140

259.4657, 0.2977,

■ 0.3763, 0.1930,

0.3051

0.1438

311.4267, 0.2986,
0.3065

0.0000, 0.0000,
0.0000

45.7740, 0.2859,
0.2871

45.7740, 0.2859,
0.2871

36.1559, 0.2673,
0.2577

56.9255, 0.3027,
0.3134

27.9986, 0.2472,
0.2256

69.6672, 0.3175,
0.3365

21.2325, 0.2263,
0.1918

84.0603, 0.3306,
0.3566

15.7797, 0.2056,
0.1579

97.4846, 0.3387,
0.3720

11.5549, 0.1865,
0.1261

■ 8.4626, 0.1706,
0.0989

■ 6.3932, 0.1590,
0.0784

■ 5.2137, 0.1523,
0.0657

■ 4.9716, 0.1509,
0.0631

Harmonies

Analogous

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



45.7740, 0.2699, 0.2912



45.7740, 0.2859, 0.2871



45.7740, 0.3095, 0.2933

Triad

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



45.7740, 0.2859, 0.2871



45.7740, 0.3629, 0.3493



45.7740, 0.2900, 0.3511

Complementary

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



45.7740, 0.2859, 0.2871



62.5923, 0.3379, 0.3677

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.



45.7740, 0.3143, 0.3685



45.7740, 0.2859, 0.2871



45.7740, 0.3569, 0.3662

Square

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



45.7740, 0.2859, 0.2871



45.7740, 0.3548, 0.3282



45.7740, 0.3388, 0.3738



45.7740, 0.2722, 0.3276

Rectangle

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



45.7740, 0.2859, 0.2871



45.7740, 0.3267, 0.3024



45.7740, 0.3388, 0.3738



45.7740, 0.2976, 0.3580

Sweetspot

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



45.7759, 0.2859, 0.2871



90.2337, 0.3051, 0.3172



60.4195, 0.2893, 0.3318



19.0308, 0.3040, 0.3155



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.



45.7759, 0.2859, 0.2871



64.6540, 0.2794, 0.2768



46.8480, 0.2980, 0.2860



11.5255, 0.2982, 0.3064



3.0490, 0.1511, 0.0640



0.2098, 0.1547, 0.0768

Inverse Universe

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



48.1126, 0.3424, 0.3266



68.9478, 0.3504, 0.3261



61.4516, 0.3256, 0.3715



11.8191, 0.3282, 0.3277



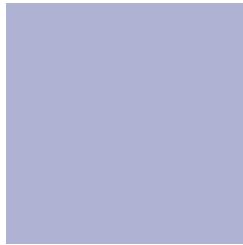
8.3791, 0.6333, 0.3262



0.4725, 0.6121, 0.3145

Previews

White Background



This preview shows how the Yxy color 45.7740, 0.2859, 0.2871 looks on a white background.

Color Contrast Check

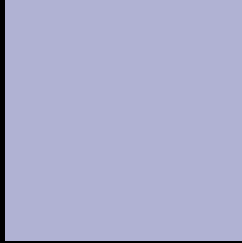
Large Text (above 18pt) WCAG AA × Fail

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 45.7740, 0.2859, 0.2871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

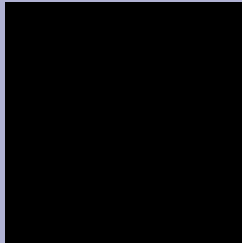
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.7740, 0.2859, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 45.7740, 0.2859, 0.2871.



This preview shows how white text looks on a background with the Yxy color 45.7740, 0.2859, 0.2871.

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

45.7740, 0.2859, 0.2871

Protanopia

45.9420, 0.2844, 0.2883

Deuteranopia

45.8211, 0.2914, 0.2852



Tritanopia

45.8721, 0.2953, 0.3106

Trichromacy



Original Color

45.7740, 0.2859, 0.2871

Protanomaly

46.0573, 0.2852, 0.2883

Deuteranomaly

45.8507, 0.2890, 0.2862

Tritanomaly

45.8582, 0.2917, 0.3018

Monochromacy



Original Color

45.7740, 0.2859, 0.2871

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.0320, 0.3025, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.7740, 0.2859, 0.2871 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(176, 178, 211)` looks like.

```
.text, #text, p{  
    color:rgb(176, 178, 211)  
}
```

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(176, 178, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 178, 211) }
```

Border

The CSS property to change the border of an element to Yxy 45.7740, 0.2859, 0.2871 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(176, 178, 211) }
```

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

```
.border{ border-color:rgb(176, 178, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 178, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 178, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 178, 211); box-shadow:4px 4px 4px 4px rgb(176, 178, 211) }
```


Background

The CSS property to change the background color of an element to Yxy 45.7740, 0.2859, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 178, 211) }
```

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

```
.background{ background-color: rgb(176,  
178, 211) }
```

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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