

Converting Colors

$Yxy(45.8142, 0.2600, 0.2723)$

Have a look what the booklet for
Yxy(45.8142, 0.2600, 0.2723)
contains.

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Color

Yxy(45.8169, 0.2605, 0.2726)

Conversions

Conversions Part 1

Format	Color
Hex	9AB6E2
RGB	154, 182, 226
RGB Percent	60%, 71%, 89%
CMY	0.3960, 0.2863, 0.1138
CMYK	0.32, 0.19, 0.00, 0.11
HSL	217°, 55%, 75%
HSV	217°, 32%, 89%
XYZ	43.7832, 45.8169, 78.4736
YIQ	178.6440, -30.8120, 7.7480

Conversions

Conversions Part 2

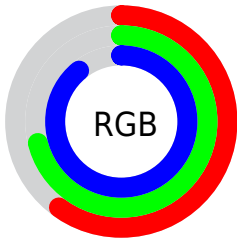
Format	Color
RYB	154, 174, 226
Decimal	10139362
CIELab	73.43, 0.69, -25.13
CIELCh	73, 25.141, 271.582
Yxy	45.8169, 0.2605, 0.2726
Android (android.graphics.Color)	4288329442 (0xFF9AB6E2)
YUV	178.6440, 23.3465, -21.6128
Hunter-Lab	67.6882, -2.9939, -21.3555

Details

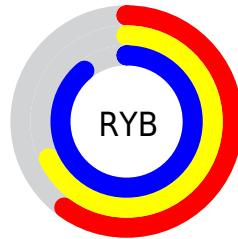
The Yxy color **45.8169, 0.2605, 0.2726** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **58.8924, 0.3698, 0.3794**, and the grayscale version is **44.7689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0707, 0.2851, 0.3112**, and **21.4075, 0.2462, 0.2562** is the 20% darker color. If you saturate the color by 10%, you get **38.4240, 0.2431, 0.2511**, and if you desaturate by 10%, it is **54.1889, 0.2777, 0.2924**.

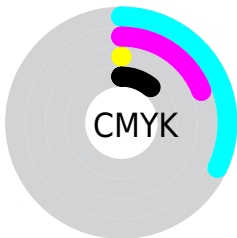
Distribution



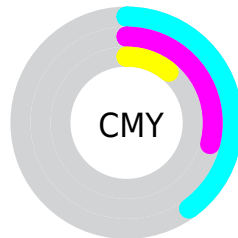
- Red (60%)
- Green (71%)
- Blue (89%)



- Red (60%)
- Yellow (68%)
- Blue (89%)



- Cyan (32%)
- Magenta (19%)
- Yellow (0%)
- Black (11%)



- Cyan (40%)
- Magenta (29%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.8169, 0.2605, 0.2726 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 45.8169, 0.2605, 0.2726 by changing the saturation by 10% instead.

■ 45.8169, 0.2605,
0.2726

■ 45.8169, 0.2605,
0.2726

370.0720, 0.2862,
0.3004

■ 32.1014, 0.2542,
0.2659

■ 83.9449, 0.2697,
0.2826

■ 21.4389, 0.2463,
0.2573

■ 109.1262, 0.2732,
0.2863

■ 13.4452, 0.2360,
0.2463

138.8981, 0.2762,
0.2895

■ 7.7358, 0.2220,
0.2313

173.6451, 0.2788,
0.2923

■ 3.9264, 0.2021,
0.2101

213.7517, 0.2810,
0.2947

■ 1.6325, 0.1723,
0.1784

259.6020, 0.2830,

■ 0.3793, 0.1079,

0.2968

0.1084

311.5807, 0.2847,
0.2987

0.0000, 0.0000,
0.0000

45.8169, 0.2605,
0.2726

45.8169, 0.2605,
0.2726

38.4240, 0.2431,
0.2511

54.1889, 0.2777,
0.2924

31.9654, 0.2259,
0.2283

63.5717, 0.2943,
0.3103

26.4000, 0.2096,
0.2046

74.0020, 0.3099,
0.3263

21.6814, 0.1949,
0.1808

85.5131, 0.3246,
0.3404

17.7578, 0.1824,
0.1577

95.7854, 0.3302,
0.3535

■ 14.5696, 0.1728,
0.1364

■ 98.2700, 0.3298,
0.3572

■ 12.4450, 0.1669,
0.1207

Harmonies

Analogous

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



45.8169, 0.2476, 0.2863



45.8169, 0.2605, 0.2726



45.8169, 0.2872, 0.2732

Triad

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



45.8169, 0.2605, 0.2726



45.8169, 0.3788, 0.3389



45.8169, 0.3003, 0.3773

Complementary

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



45.8169, 0.2605, 0.2726



58.8924, 0.3698, 0.3794

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.



45.8169, 0.3356, 0.3919



45.8169, 0.2605, 0.2726



45.8169, 0.3821, 0.3668

Square

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



45.8169, 0.2605, 0.2726



45.8169, 0.3564, 0.3103



45.8169, 0.3659, 0.3870



45.8169, 0.2696, 0.3472

Rectangle

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



45.8169, 0.2605, 0.2726



45.8169, 0.3102, 0.2810



45.8169, 0.3659, 0.3870



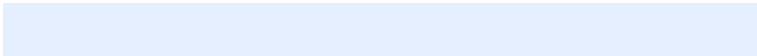
45.8169, 0.3121, 0.3843

Sweetspot

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



45.8187, 0.2605, 0.2726



85.9356, 0.2971, 0.3132



65.2960, 0.2831, 0.3652



17.9950, 0.2948, 0.3109



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.



45.8187, 0.2605, 0.2726



53.8754, 0.2493, 0.2590



36.2107, 0.2615, 0.2366



14.1128, 0.2981, 0.3143



7.3155, 0.1677, 0.1236



0.6773, 0.1762, 0.1544

Inverse Universe

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



42.6636, 0.3572, 0.2967



49.7229, 0.3698, 0.2900



71.7439, 0.3551, 0.4098



13.7883, 0.3231, 0.3199



9.6465, 0.5415, 0.2757



0.6858, 0.5002, 0.2529

Previews

White Background



This preview shows how the Yxy color 45.8169, 0.2605, 0.2726 looks on a white background.

Color Contrast Check

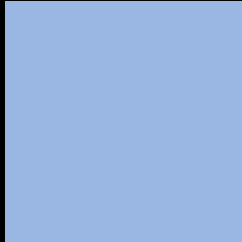
Large Text (above 18pt) WCAG AA × Fail

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 45.8169, 0.2605, 0.2726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

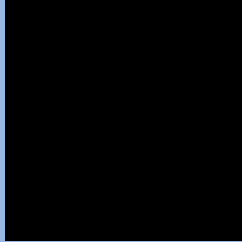
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

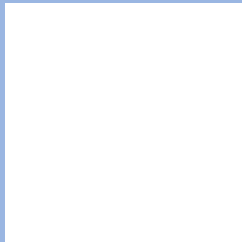
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.8169, 0.2605, 0.2726

Background



This preview shows how black text looks on a background with the Yxy color 45.8169, 0.2605, 0.2726.



This preview shows how white text looks on a background with the Yxy color 45.8169, 0.2605, 0.2726.

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

45.8169, 0.2605, 0.2726

Protanopia

45.6035, 0.2724, 0.2724

Deuteranopia

45.8746, 0.2726, 0.2671



Tritanopia

45.6308, 0.2726, 0.3086

Trichromacy



Original Color

45.8169, 0.2605, 0.2726

Protanomaly

45.5145, 0.2682, 0.2720

Deuteranomaly

45.8932, 0.2677, 0.2688

Tritanomaly

45.8351, 0.2681, 0.2957

Monochromacy



Original Color

45.8169, 0.2605, 0.2726

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

45.1741, 0.2921, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.8169, 0.2605, 0.2726 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(154, 182, 226)` looks like.

```
.text, #text, p{  
    color:rgb(154, 182, 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(154, 182, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 182, 226) }
```

Border

The CSS property to change the border of an element to Yxy 45.8169, 0.2605, 0.2726 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(154, 182, 226) }
```

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

```
.border{ border-color:rgb(154, 182, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 182, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 182, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 182, 226);  
box-shadow:4px 4px 4px 4px rgb(154, 182,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 45.8169, 0.2605, 0.2726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 182, 226) }
```

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

```
.background{ background-color: rgb(154,  
182, 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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