

Converting Colors

$Yxy(49.0537, 0.2696, 0.2806)$

Have a look what the booklet for
Yxy(49.0537, 0.2696, 0.2806)
contains.

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Color

Yxy(49.1386, 0.2694, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	A6BBE2
RGB	166, 187, 226
RGB Percent	65%, 73%, 89%
CMY	0.3489, 0.2667, 0.1138
CMYK	0.27, 0.17, 0.00, 0.11
HSL	219°, 51%, 77%
HSV	219°, 27%, 89%
XYZ	47.2278, 49.1386, 78.9408
YIQ	185.1670, -25.0350, 7.6770

Conversions

Conversions Part 2

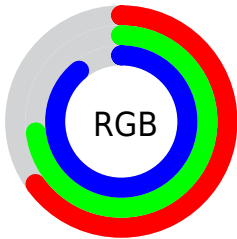
Format	Color
R _Y B	166, 182, 226
Decimal	10927074
CIE Lab	75.54, 1.47, -21.85
CIE LCh	76, 21.897, 273.842
Yxy	49.1386, 0.2694, 0.2803
Android (android.graphics.Color)	4289117154 (0xFFA6BBE2)
YUV	185.1670, 20.1307, -16.8095
Hunter-Lab	70.0989, -2.4123, -17.6993

Details

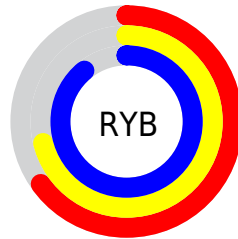
The Yxy color **49.1386, 0.2694, 0.2803** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.5996, 0.3583, 0.3733**, and the grayscale version is **48.5137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.8508, 0.2926, 0.3167**, and **23.5012, 0.2576, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **40.9879, 0.2517, 0.2583**, and if you desaturate by 10%, it is **58.3608, 0.2865, 0.3004**.

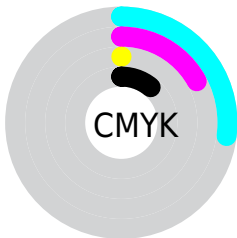
Distribution



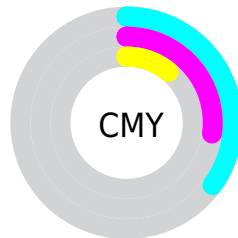
- Red (65%)
- Green (73%)
- Blue (89%)



- Red (65%)
- Yellow (71%)
- Blue (89%)



- Cyan (27%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (35%)
- Magenta (27%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1386, 0.2694, 0.2803 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 49.1386, 0.2694, 0.2803 by changing the saturation by 10% instead.

■ 49.1386, 0.2694,
0.2803

■ 49.1386, 0.2694,
0.2803

■ 383.2877, 0.2906,
0.3040

■ 34.7294, 0.2643,
0.2746

■ 88.8973, 0.2770,
0.2888

■ 23.4545, 0.2578,
0.2674

■ 115.0156, 0.2799,
0.2920

■ 14.9295, 0.2493,
0.2580

■ 145.8057, 0.2823,
0.2948

■ 8.7699, 0.2379,
0.2454

■ 181.6521, 0.2845,
0.2971

■ 4.5914, 0.2217,
0.2276

■ 222.9391, 0.2863,
0.2992

■ 2.0096, 0.1971,
0.2008

■ 270.0511, 0.2879,

■ 0.6130, 0.1537,

0.3010

0.1523

323.3725, 0.2893,
0.3026

0.0000, 0.0000,
0.0000

49.1386, 0.2694,
0.2803

49.1386, 0.2694,
0.2803

40.9879, 0.2517,
0.2583

58.3608, 0.2865,
0.3004

33.8611, 0.2339,
0.2346

68.6876, 0.3027,
0.3183

27.7158, 0.2165,
0.2098

80.1580, 0.3178,
0.3343

22.5036, 0.2003,
0.1846

92.5346, 0.3308,
0.3484

18.1716, 0.1861,
0.1599

98.2706, 0.3298,
0.3572

■ 14.6602, 0.1747,
0.1368

■ 11.8985, 0.1663,
0.1164

■ 11.0837, 0.1639,
0.1099

Harmonies

Analogous

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



49.1386, 0.2572, 0.2915



49.1386, 0.2694, 0.2803



49.1386, 0.2932, 0.2816

Triad

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



49.1386, 0.2694, 0.2803



49.1386, 0.3696, 0.3397



49.1386, 0.3002, 0.3681

Complementary

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



49.1386, 0.2694, 0.2803



62.5996, 0.3583, 0.3733

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.



49.1386, 0.3303, 0.3818



49.1386, 0.2694, 0.2803



49.1386, 0.3713, 0.3633

Square

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



49.1386, 0.2694, 0.2803



49.1386, 0.3518, 0.3149



49.1386, 0.3565, 0.3793



49.1386, 0.2743, 0.3424

Rectangle

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



49.1386, 0.2694, 0.2803



49.1386, 0.3131, 0.2888



49.1386, 0.3565, 0.3793



49.1386, 0.3101, 0.3744

Sweetspot

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



49.1406, 0.2694, 0.2803



88.1590, 0.3003, 0.3157



66.9076, 0.2859, 0.3546



18.4164, 0.2979, 0.3131



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.



49.1406, 0.2694, 0.2803



58.3571, 0.2594, 0.2680



41.8931, 0.2737, 0.2545



14.0232, 0.2981, 0.3133



6.5251, 0.1647, 0.1128



0.6161, 0.1733, 0.1438

Inverse Universe

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



47.0405, 0.3499, 0.3049



55.5616, 0.3607, 0.2995



71.8947, 0.3459, 0.3966



13.7793, 0.3237, 0.3208



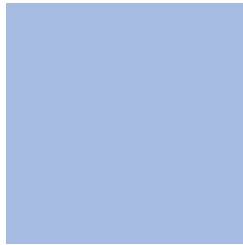
9.5668, 0.5570, 0.2842



0.6797, 0.5140, 0.2605

Previews

White Background



This preview shows how the Yxy color 49.1386, 0.2694, 0.2803 looks on a white background.

Color Contrast Check

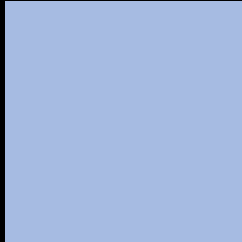
Large Text (above 18pt) WCAG AA × Fail

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 49.1386, 0.2694, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

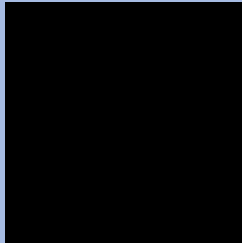
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.1386, 0.2694, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 49.1386, 0.2694, 0.2803.



This preview shows how white text looks on a background with the Yxy color 49.1386, 0.2694, 0.2803.

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

49.1386, 0.2694, 0.2803

Protanopia

49.0099, 0.2782, 0.2798

Deuteranopia

49.0692, 0.2805, 0.2746



Tritanopia

49.3992, 0.2798, 0.3094

Trichromacy



Original Color

49.1386, 0.2694, 0.2803

Protanomaly

49.0184, 0.2747, 0.2795

Deuteranomaly

49.1741, 0.2762, 0.2764

Tritanomaly

49.4175, 0.2759, 0.2994

Monochromacy



Original Color

49.1386, 0.2694, 0.2803

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.7529, 0.2957, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1386, 0.2694, 0.2803 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(166, 187, 226)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 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(166, 187, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 226) }
```

Border

The CSS property to change the border of an element to Yxy 49.1386, 0.2694, 0.2803 is called "border". The border property can be set on classes, ids or directly on the HTML element.

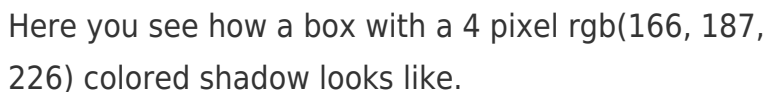
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 187, 226) }
```

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

```
.border{ border-color:rgb(166, 187, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 187, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 226);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1386, 0.2694, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 226) }
```

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

```
.background{ background-color: rgb(166,  
187, 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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