

Converting Colors

$Yxy(48.8606, 0.2700, 0.2942)$

Have a look what the booklet for
Yxy(48.8606, 0.2700, 0.2942)
contains.

Yxy(49.1058, 0.2699, 0.2942)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.1058, 0.2699, 0.2942)

Conversions

Conversions Part 1

Format	Color
Hex	9EBED9
RGB	158, 190, 217
RGB Percent	62%, 75%, 85%
CMY	0.3801, 0.2550, 0.1490
CMYK	0.27, 0.12, 0.00, 0.15
HSL	208°, 44%, 74%
HSV	208°, 27%, 85%
XYZ	45.0498, 49.1058, 72.7574
YIQ	183.5100, -27.7390, 1.6130

Conversions

Conversions Part 2

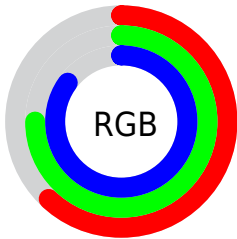
Format	Color
RYB	158, 179, 217
Decimal	10403545
CIELab	75.52, -4.63, -17.06
CIELCh	76, 17.680, 254.823
Yxy	49.1058, 0.2699, 0.2942
Android (android.graphics.Color)	4288593625 (0xFF9EBED9)
YUV	183.5100, 16.5106, -22.3723
Hunter-Lab	70.0755, -7.8790, -12.5062

Details

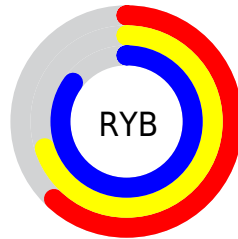
The Yxy color **49.1058, 0.2699, 0.2942** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **51.9642, 0.3628, 0.3614**, and the grayscale version is **47.5755, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.4277, 0.2879, 0.3197**, and **23.5032, 0.2584, 0.2853** is the 20% darker color. If you saturate the color by 10%, you get **42.9325, 0.2539, 0.2790**, and if you desaturate by 10%, it is **55.9660, 0.2860, 0.3081**.

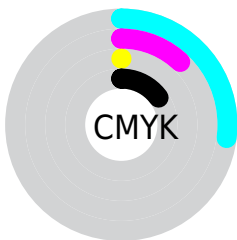
Distribution



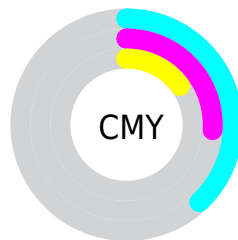
- Red (62%)
- Green (75%)
- Blue (85%)



- Red (62%)
- Yellow (70%)
- Blue (85%)



- Cyan (27%)
- Magenta (12%)
- Yellow (0%)
- Black (15%)



- Cyan (38%)
- Magenta (26%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.1058, 0.2699, 0.2942 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 49.1058, 0.2699, 0.2942 by changing the saturation by 10% instead.

■ 49.1058, 0.2699,
0.2942

■ 49.1058, 0.2699,
0.2942

■ 383.1587, 0.2908,
0.3115

■ 34.7034, 0.2648,
0.2899

■ 88.8486, 0.2774,
0.3004

■ 23.4345, 0.2584,
0.2845

■ 114.9577, 0.2802,
0.3028

■ 14.9147, 0.2501,
0.2774

■ 145.7380, 0.2827,
0.3048

■ 8.7595, 0.2388,
0.2676

■ 181.5736, 0.2847,
0.3065

■ 4.5847, 0.2226,
0.2534

■ 222.8492, 0.2866,
0.3080

■ 2.0057, 0.1980,
0.2311

■ 269.9489, 0.2882,

■ 0.6108, 0.1443,

0.3093

0.1885

323.2573, 0.2896,
0.3105

0.0000, 0.0000,
0.0000

49.1058, 0.2699,
0.2942

49.1058, 0.2699,
0.2942

42.9325, 0.2539,
0.2790

55.9660, 0.2860,
0.3081

37.4139, 0.2383,
0.2627

63.5318, 0.3017,
0.3208

32.5237, 0.2236,
0.2454

71.8284, 0.3170,
0.3321

28.2310, 0.2103,
0.2276

80.8777, 0.3316,
0.3421

24.5013, 0.1987,
0.2096

88.4382, 0.3373,
0.3516

■ 21.2953, 0.1894,
0.1919

■ 94.4503, 0.3359,
0.3611

■ 18.5624, 0.1824,
0.1749

■ 97.7904, 0.3351,
0.3661

■ 17.8505, 0.1806,
0.1702

Harmonies

Analogous

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



49.1058, 0.2670, 0.3096



49.1058, 0.2699, 0.2942



49.1058, 0.2838, 0.2885

Triad

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



49.1058, 0.2699, 0.2942



49.1058, 0.3508, 0.3250



49.1058, 0.3182, 0.3687

Complementary

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



49.1058, 0.2699, 0.2942



51.9642, 0.3628, 0.3614

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.



49.1058, 0.3413, 0.3717



49.1058, 0.2699, 0.2942



49.1058, 0.3607, 0.3455

Square

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



49.1058, 0.2699, 0.2942



49.1058, 0.3304, 0.3061



49.1058, 0.3571, 0.3627



49.1058, 0.2943, 0.3536

Rectangle

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



49.1058, 0.2699, 0.2942



49.1058, 0.2978, 0.2904



49.1058, 0.3571, 0.3627



49.1058, 0.3263, 0.3711

Sweetspot

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



49.1078, 0.2699, 0.2942



90.5104, 0.3003, 0.3197



60.3944, 0.2926, 0.3708



19.0074, 0.2979, 0.3178



0.0000, 0.0000, 0.0000



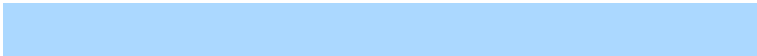
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.1078, 0.2699, 0.2942



65.1850, 0.2600, 0.2850



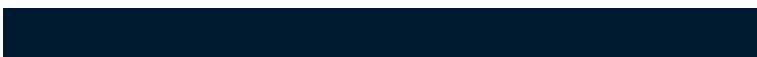
37.7835, 0.2661, 0.2552



13.7794, 0.2982, 0.3180



11.0182, 0.1813, 0.1726



0.8855, 0.1890, 0.2002

Inverse Universe

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



42.9493, 0.3401, 0.2913



55.3085, 0.3483, 0.2824



65.3511, 0.3544, 0.3934



13.1689, 0.3207, 0.3164



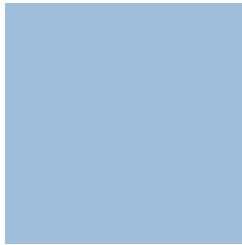
9.7361, 0.4775, 0.2404



0.6481, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 49.1058, 0.2699, 0.2942 looks on a white background.

Color Contrast Check

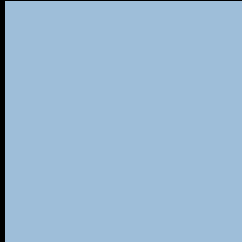
Large Text (above 18pt) WCAG AA × Fail

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 49.1058, 0.2699, 0.2942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

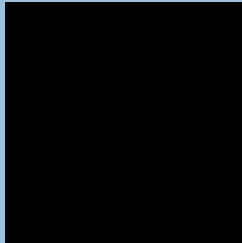
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

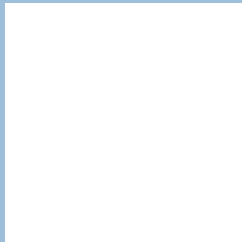
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.1058, 0.2699, 0.2942

Background



This preview shows how black text looks on a background with the Yxy color 49.1058, 0.2699, 0.2942.



This preview shows how white text looks on a background with the Yxy color 49.1058, 0.2699, 0.2942.

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

49.1058, 0.2699, 0.2942

Protanopia

48.9088, 0.2887, 0.2929

Deuteranopia

48.8536, 0.2898, 0.2829



Tritanopia

49.2722, 0.2750, 0.3093

Trichromacy



Original Color

49.1058, 0.2699, 0.2942

Protanomaly

48.8571, 0.2821, 0.2937

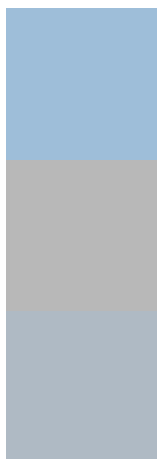
Deuteranomaly

48.6900, 0.2822, 0.2867

Tritanomaly

49.1329, 0.2731, 0.3029

Monochromacy



Original Color

49.1058, 0.2699, 0.2942

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.2173, 0.2963, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.1058, 0.2699, 0.2942 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(158, 190, 217)` looks like.

```
.text, #text, p{  
    color:rgb(158, 190, 217)  
}
```

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(158, 190, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 190, 217) }
```

Border

The CSS property to change the border of an element to Yxy 49.1058, 0.2699, 0.2942 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(158, 190, 217) }
```

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

```
.border{ border-color:rgb(158, 190, 217) }
```

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

Here you see how a box with a 4 pixel rgb(158, 190, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 190, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 190, 217);  
box-shadow:4px 4px 4px 4px rgb(158, 190,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 49.1058, 0.2699, 0.2942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 190, 217) }
```

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

```
.background{ background-color: rgb(158,  
190, 217) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor