

Converting Colors

$Yxy(49.1492, 0.2738, 0.2839)$

Have a look what the booklet for
Yxy(49.1492, 0.2738, 0.2839)
contains.

Yxy(49.3034, 0.2734, 0.2840)	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(49.3034, 0.2734, 0.2840)

Conversions

Conversions Part 1

Format	Color
Hex	A9BBDF
RGB	169, 187, 223
RGB Percent	66%, 73%, 87%
CMY	0.3370, 0.2667, 0.1254
CMYK	0.24, 0.16, 0.00, 0.13
HSL	220°, 46%, 77%
HSV	220°, 24%, 87%
XYZ	47.4632, 49.3034, 76.8369
YIQ	185.7220, -22.2840, 7.3800

Conversions

Conversions Part 2

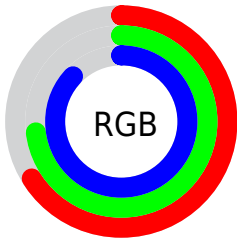
Format	Color
RYB	169, 183, 223
Decimal	11123679
CIELab	75.64, 1.68, -20.06
CIELCh	76, 20.131, 274.798
Yxy	49.3034, 0.2734, 0.2840
Android (android.graphics.Color)	4289313759 (0xFFA9BBDF)
YUV	185.7220, 18.3781, -14.6652
Hunter-Lab	70.2164, -2.2205, -15.7288

Details

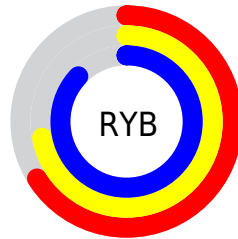
The Yxy color **49.3034, 0.2734, 0.2840** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.2650, 0.3535, 0.3702**, and the grayscale version is **48.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.3287, 0.2944, 0.3168**, and **23.5904, 0.2627, 0.2718** is the 20% darker color. If you saturate the color by 10%, you get **41.0500, 0.2557, 0.2619**, and if you desaturate by 10%, it is **58.6369, 0.2904, 0.3041**.

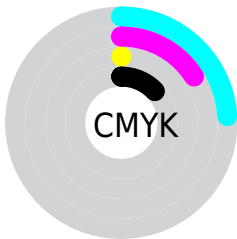
Distribution



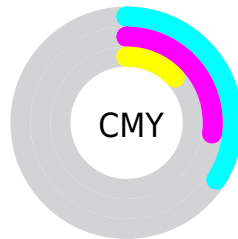
- Red (66%)
- Green (73%)
- Blue (87%)



- Red (66%)
- Yellow (72%)
- Blue (87%)



- Cyan (24%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)



- Cyan (34%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3034, 0.2734, 0.2840 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 49.3034, 0.2734, 0.2840 by changing the saturation by 10% instead.

■ 49.3034, 0.2734,
0.2840

■ 49.3034, 0.2734,
0.2840

■ 383.9355, 0.2927,
0.3060

■ 34.8602, 0.2687,
0.2787

■ 89.1419, 0.2803,
0.2918

■ 23.5552, 0.2628,
0.2720

■ 115.3060, 0.2829,
0.2948

■ 15.0040, 0.2551,
0.2633

■ 146.1459, 0.2852,
0.2974

■ 8.8222, 0.2446,
0.2516

■ 182.0459, 0.2871,
0.2996

■ 4.6254, 0.2296,
0.2349

■ 223.3905, 0.2888,
0.3015

■ 2.0292, 0.2066,
0.2096

■ 270.5640, 0.2902,

■ 0.6243, 0.1657,

0.3032

0.1631

323.9509, 0.2915,
0.3046

0.0000, 0.0000,
0.0000

49.3034, 0.2734,
0.2840

49.3034, 0.2734,
0.2840

41.0500, 0.2557,
0.2619

58.6369, 0.2904,
0.3041

33.8295, 0.2376,
0.2379

69.0834, 0.3064,
0.3221

27.5998, 0.2199,
0.2127

80.6816, 0.3212,
0.3380

22.3133, 0.2031,
0.1868

92.8410, 0.3326,
0.3521

17.9180, 0.1882,
0.1614

98.1085, 0.3315,
0.3601

■ 14.3558, 0.1759,
0.1376

■ 11.5593, 0.1668,
0.1164

■ 10.2369, 0.1627,
0.1056

Harmonies

Analogous

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



49.3034, 0.2617, 0.2941



49.3034, 0.2734, 0.2840



49.3034, 0.2957, 0.2854

Triad

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



49.3034, 0.2734, 0.2840



49.3034, 0.3652, 0.3398



49.3034, 0.3004, 0.3642

Complementary

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



49.3034, 0.2734, 0.2840



62.2650, 0.3535, 0.3702

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.



49.3034, 0.3281, 0.3771



49.3034, 0.2734, 0.2840



49.3034, 0.3663, 0.3613

Square

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



49.3034, 0.2734, 0.2840



49.3034, 0.3493, 0.3167



49.3034, 0.3524, 0.3755



49.3034, 0.2768, 0.3405

Rectangle

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



49.3034, 0.2734, 0.2840



49.3034, 0.3140, 0.2923



49.3034, 0.3524, 0.3755



49.3034, 0.3095, 0.3700

Sweetspot

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



49.3054, 0.2734, 0.2840



89.3991, 0.3019, 0.3172



65.6350, 0.2876, 0.3509



18.9472, 0.3009, 0.3161



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.



49.3054, 0.2734, 0.2840



61.0071, 0.2646, 0.2731



43.2002, 0.2784, 0.2621



13.9834, 0.2981, 0.3129



6.2040, 0.1634, 0.1082



0.5905, 0.1720, 0.1392

Inverse Universe

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



47.6777, 0.3466, 0.3083



58.7656, 0.3559, 0.3037



69.9502, 0.3423, 0.3906



13.7753, 0.3240, 0.3212



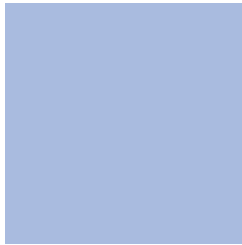
9.5343, 0.5636, 0.2879



0.6771, 0.5201, 0.2639

Previews

White Background



This preview shows how the Yxy color 49.3034, 0.2734, 0.2840 looks on a white background.

Color Contrast Check

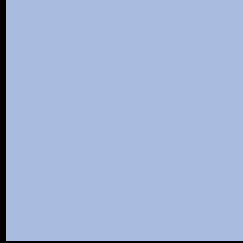
Large Text (above 18pt) WCAG AA × Fail

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 49.3034, 0.2734, 0.2840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

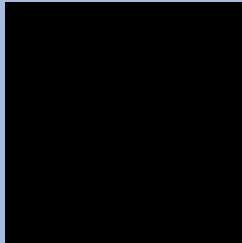
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3034, 0.2734, 0.2840

Background



This preview shows how black text looks on a background with the Yxy color 49.3034, 0.2734, 0.2840.



This preview shows how white text looks on a background with the Yxy color 49.3034, 0.2734, 0.2840.

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

49.3034, 0.2734, 0.2840

Protanopia

49.0851, 0.2817, 0.2834

Deuteranopia

49.1520, 0.2840, 0.2782



Tritanopia

49.3417, 0.2833, 0.3095

Trichromacy



Original Color

49.3034, 0.2734, 0.2840

Protanomaly

49.0858, 0.2781, 0.2832

Deuteranomaly

49.2465, 0.2797, 0.2800

Tritanomaly

49.3641, 0.2793, 0.2996

Monochromacy



Original Color

49.3034, 0.2734, 0.2840

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9446, 0.2980, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3034, 0.2734, 0.2840 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, 187, 223)` looks like.

```
.text, #text, p{  
    color:rgb(169, 187, 223)  
}
```

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, 187, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 187, 223) }
```

Border

The CSS property to change the border of an element to Yxy 49.3034, 0.2734, 0.2840 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, 187, 223) }
```

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

```
.border{ border-color:rgb(169, 187, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 187, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 187, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 187, 223);  
box-shadow:4px 4px 4px 4px rgb(169, 187,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3034, 0.2734, 0.2840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 187, 223) }
```

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

```
.background{ background-color: rgb(169,  
187, 223) }
```

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