

Converting Colors

$Yxy(49.9198, 0.2621, 0.3014)$

Have a look what the booklet for
Yxy(49.9198, 0.2621, 0.3014)
contains.

Yxy(49.9174, 0.2621, 0.3014)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.9174, 0.2621, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	90C3D8
RGB	144, 195, 216
RGB Percent	56%, 76%, 85%
CMY	0.4353, 0.2353, 0.1531
CMYK	0.33, 0.10, 0.00, 0.15
HSL	197°, 48%, 71%
HSV	197°, 33%, 85%
XYZ	43.4086, 49.9174, 72.2925
YIQ	182.1450, -37.1370, -4.2810

Conversions

Conversions Part 2

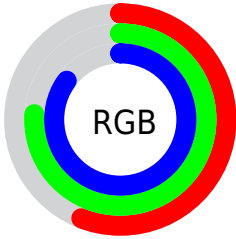
Format	Color
RYB	144, 174, 216
Decimal	9487320
CIELab	76.02, -11.58, -15.83
CIELCh	76, 19.611, 233.799
Yxy	49.9174, 0.2621, 0.3014
Android (android.graphics.Color)	4287677400 (0xFF90C3D8)
YUV	182.1450, 16.6905, -33.4532
Hunter-Lab	70.6522, -13.9714, -11.2099

Details

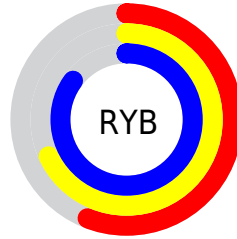
The Yxy color **49.9174, 0.2621, 0.3014** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.5078, 0.3816, 0.3548**, and the grayscale version is **46.7855, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1202, 0.2803, 0.3258**, and **23.8471, 0.2491, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **45.3966, 0.2480, 0.2916**, and if you desaturate by 10%, it is **54.9329, 0.2770, 0.3105**.

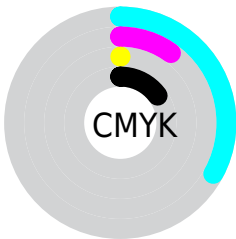
Distribution



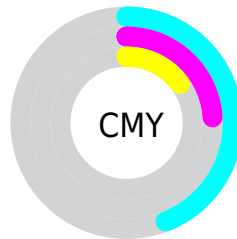
- Red (56%)
- Green (76%)
- Blue (85%)



- Red (56%)
- Yellow (68%)
- Blue (85%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (15%)





- Cyan (44%)
- Magenta (24%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9174, 0.2621, 0.3014 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 49.9174, 0.2621, 0.3014 by changing the saturation by 10% instead.


 49.9174, 0.2621,
0.3014

 49.9174, 0.2621,
0.3014


386.3428, 0.2867,
0.3154

 35.3478, 0.2562,
0.2979


 90.0525, 0.2708,
0.3065

 23.9309, 0.2488,
0.2934


 116.3867, 0.2742,
0.3084

 15.2824, 0.2392,
0.2874


147.4113, 0.2770,
0.3100

 9.0178, 0.2262,
0.2791

183.5106, 0.2795,
0.3114

 4.7528, 0.2079,
0.2667

225.0690, 0.2816,
0.3126

 2.1030, 0.1804,
0.2469

272.4709, 0.2835,

 0.6663, 0.1118,

0.3136

0.2125

326.1007, 0.2852,
0.3145

0.0000, 0.0000,
0.0000

49.9174, 0.2621,
0.3014

49.9174, 0.2621,
0.3014

45.3966, 0.2480,
0.2916

54.9329, 0.2770,
0.3105

41.3419, 0.2350,
0.2812

60.4583, 0.2922,
0.3190

37.7303, 0.2235,
0.2705

66.5151, 0.3076,
0.3266

34.5342, 0.2138,
0.2595

73.1218, 0.3229,
0.3335

31.7216, 0.2060,
0.2484

80.2957, 0.3378,
0.3397

■ 29.2543, 0.2003,
0.2374

■ 84.3560, 0.3390,
0.3458

■ 27.7571, 0.1973,
0.2302

■ 87.9771, 0.3381,
0.3520

■ 91.7264, 0.3372,
0.3580

■ 95.6052, 0.3363,
0.3640

Harmonies

Analogous

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



49.9174, 0.2679, 0.3239



49.9174, 0.2621, 0.3014



49.9174, 0.2690, 0.2876

Triad

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



49.9174, 0.2621, 0.3014



49.9174, 0.3398, 0.3095



49.9174, 0.3371, 0.3767

Complementary

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



49.9174, 0.2621, 0.3014



43.5078, 0.3816, 0.3548

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.



49.9174, 0.3576, 0.3703



49.9174, 0.2621, 0.3014



49.9174, 0.3595, 0.3312

Square

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



49.9174, 0.2621, 0.3014



49.9174, 0.3131, 0.2929



49.9174, 0.3661, 0.3533



49.9174, 0.3106, 0.3692

Rectangle

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



49.9174, 0.2621, 0.3014



49.9174, 0.2801, 0.2845



49.9174, 0.3661, 0.3533



49.9174, 0.3449, 0.3761

Sweetspot

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



49.9194, 0.2621, 0.3014



90.8320, 0.2972, 0.3215



57.7214, 0.2957, 0.3989



19.1798, 0.2950, 0.3204



0.0000, 0.0000, 0.0000



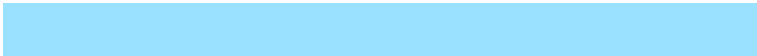
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9194, 0.2621, 0.3014



67.9975, 0.2521, 0.2945



35.8887, 0.2559, 0.2523



13.4683, 0.2982, 0.3220



16.6285, 0.1977, 0.2318



1.1425, 0.2030, 0.2506

Inverse Universe

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



38.4832, 0.3363, 0.2688



49.4943, 0.3429, 0.2561



58.0925, 0.3681, 0.3954



12.5682, 0.3182, 0.3126



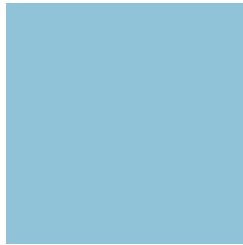
10.0235, 0.4107, 0.2036



0.6187, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 49.9174, 0.2621, 0.3014 looks on a white background.

Color Contrast Check

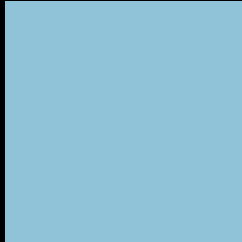
Large Text (above 18pt) WCAG AA × Fail

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 49.9174, 0.2621, 0.3014 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 49.9174, 0.2621, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 49.9174, 0.2621, 0.3014.



This preview shows how white text looks on a background with the Yxy color 49.9174, 0.2621, 0.3014.

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

49.9174, 0.2621, 0.3014

Protanopia

49.4183, 0.2924, 0.2979

Deuteranopia

49.5175, 0.2914, 0.2843



Tritanopia

50.0226, 0.2646, 0.3090

Trichromacy



Original Color

49.9174, 0.2621, 0.3014

Protanomaly

49.5837, 0.2807, 0.2997

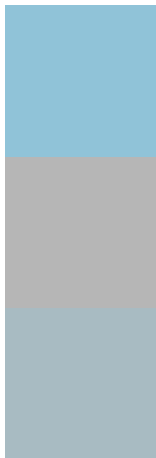
Deuteranomaly

49.4868, 0.2795, 0.2902

Tritanomaly

50.1236, 0.2634, 0.3065

Monochromacy



Original Color

49.9174, 0.2621, 0.3014

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7605, 0.2923, 0.3197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9174, 0.2621, 0.3014 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(144, 195, 216)` looks like.

```
.text, #text, p{  
    color:rgb(144, 195, 216)  
}
```

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(144, 195, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 195, 216) }
```

Border

The CSS property to change the border of an element to Yxy 49.9174, 0.2621, 0.3014 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(144, 195, 216) }
```

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

```
.border{ border-color:rgb(144, 195, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 195, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 195, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 195, 216);  
box-shadow:4px 4px 4px 4px rgb(144, 195,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9174, 0.2621, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 195, 216) }
```

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

```
.background{ background-color: rgb(144,  
195, 216) }
```

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