

Converting Colors

$Yxy(49.7556, 0.2968, 0.3547)$

Have a look what the booklet for
Yxy(49.7556, 0.2968, 0.3547)
contains.

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Color

Yxy(49.9233, 0.2969, 0.3547)

Conversions

Conversions Part 1

Format	Color
Hex	9EC4B1
RGB	158, 196, 177
RGB Percent	62%, 77%, 69%
CMY	0.3801, 0.2314, 0.3058
CMYK	0.19, 0.00, 0.10, 0.23
HSL	150°, 24%, 69%
HSV	150°, 19%, 77%
XYZ	41.7881, 49.9233, 49.0366
YIQ	182.4720, -16.5490, -13.9650

Conversions

Conversions Part 2

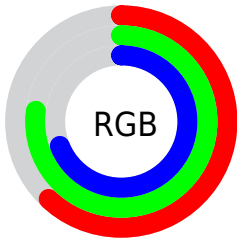
Format	Color
R_{YB}	158, 183, 196
Decimal	10405041
CIE _{Lab}	76.02, -16.45, 5.36
CIE _{LCh}	76, 17.301, 161.966
Yxy	49.9233, 0.2969, 0.3547
Android (android.graphics.Color)	4288595121 (0xFF9EC4B1)
YUV	182.4720, -2.6977, -21.4619
Hunter-Lab	70.6564, -18.0791, 8.3114

Details

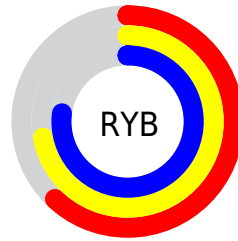
The Yxy color **49.9233, 0.2969, 0.3547** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.3890, 0.3321, 0.3047**, and the grayscale version is **47.0802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.2799, 0.2995, 0.3499**, and **23.8654, 0.2927, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **47.7155, 0.2893, 0.3701**, and if you desaturate by 10%, it is **52.4804, 0.3050, 0.3407**.

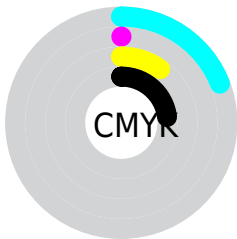
Distribution



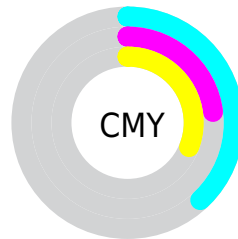
- Red (62%)
- Green (77%)
- Blue (69%)



- Red (62%)
- Yellow (72%)
- Blue (77%)



- Cyan (19%)
- Magenta (0%)
- Yellow (10%)
- Black (23%)





- Cyan (38%)
- Magenta (23%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.9233, 0.2969, 0.3547 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 49.9233, 0.2969, 0.3547 by changing the saturation by 10% instead.

 49.9233, 0.2969,
0.3547

 49.9233, 0.2969,
0.3547


386.3659, 0.3048,
0.3418

 35.3525, 0.2949,
0.3580


 90.0612, 0.2998,
0.3500

 23.9345, 0.2924,
0.3622


 116.3971, 0.3009,
0.3482

 15.2850, 0.2889,
0.3678


147.4234, 0.3018,
0.3467

 9.0197, 0.2842,
0.3757

183.5246, 0.3026,
0.3454

 4.7540, 0.2770,
0.3877

225.0851, 0.3032,
0.3443

 2.1037, 0.2650,
0.4080

272.4892, 0.3038,

 0.6667, 0.1856,

0.3434

0.5333

326.1213, 0.3044,
0.3425

0.0000, 0.0000,
0.0000

49.9233, 0.2969,
0.3547

49.9233, 0.2969,
0.3547

47.7155, 0.2893,
0.3701

52.4804, 0.3050,
0.3407

45.8352, 0.2824,
0.3870

55.3950, 0.3133,
0.3282

44.2675, 0.2766,
0.4050

58.6830, 0.3216,
0.3171

42.9943, 0.2721,
0.4240

62.3574, 0.3298,
0.3073

41.9951, 0.2694,
0.4436

66.2275, 0.3369,
0.2986

■ 41.2469, 0.2685,
0.4632

■ 66.7815, 0.3294,
0.2891

■ 40.7226, 0.2696,
0.4822

■ 67.3668, 0.3221,
0.2798

■ 40.3747, 0.2725,
0.5004

■ 67.9538, 0.3154,
0.2712

■ 40.3542, 0.2727,
0.5015

Harmonies

Analogous

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



49.9233, 0.3204, 0.3684



49.9233, 0.2969, 0.3547



49.9233, 0.2781, 0.3335

Triad

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



49.9233, 0.2969, 0.3547



49.9233, 0.2829, 0.2897



49.9233, 0.3590, 0.3432

Complementary

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



49.9233, 0.2969, 0.3547



39.3890, 0.3321, 0.3047

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.



49.9233, 0.3482, 0.3232



49.9233, 0.2969, 0.3547



49.9233, 0.3037, 0.2931

Square

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



49.9233, 0.2969, 0.3547



49.9233, 0.2703, 0.2962



49.9233, 0.3277, 0.3052



49.9233, 0.3568, 0.3606

Rectangle

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



49.9233, 0.2969, 0.3547



49.9233, 0.2706, 0.3187



49.9233, 0.3277, 0.3052



49.9233, 0.3568, 0.3366

Sweetspot

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



49.9254, 0.2969, 0.3547



96.7295, 0.3077, 0.3365



51.3700, 0.3261, 0.3790



20.6311, 0.3071, 0.3374



0.0000, 0.0000, 0.0000



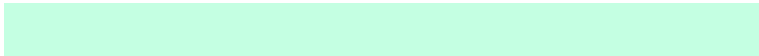
21.4041, 0.3127, 0.3290

Same Dimension

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



49.9254, 0.2969, 0.3547



88.7748, 0.2938, 0.3607



50.7066, 0.2845, 0.3298



11.3409, 0.3050, 0.3408



25.9507, 0.2720, 0.4991



1.1352, 0.2606, 0.4580

Inverse Universe

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



39.3890, 0.3321, 0.3047



66.3723, 0.3371, 0.2993



38.7059, 0.3497, 0.3283



10.1601, 0.3212, 0.3175



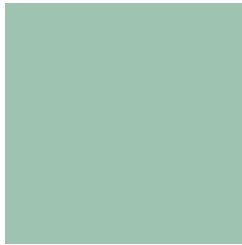
8.1256, 0.4936, 0.2493



0.3650, 0.4450, 0.2225

Previews

White Background



This preview shows how the Yxy color 49.9233, 0.2969, 0.3547 looks on a white background.

Color Contrast Check

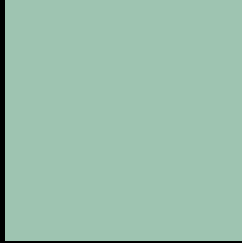
Large Text (above 18pt) WCAG AA × Fail

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 49.9233, 0.2969, 0.3547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

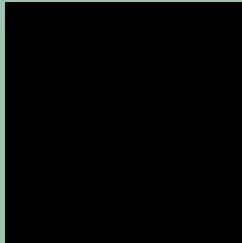
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

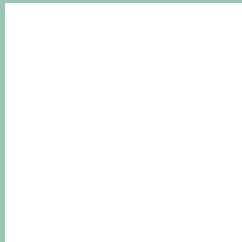
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9233, 0.2969, 0.3547

Background



This preview shows how black text looks on a background with the Yxy color 49.9233, 0.2969, 0.3547.



This preview shows how white text looks on a background with the Yxy color 49.9233, 0.2969, 0.3547.

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

49.9233, 0.2969, 0.3547

Protanopia

49.5657, 0.3306, 0.3468

Deuteranopia

49.6084, 0.3362, 0.3303



Tritanopia

50.0968, 0.2807, 0.3096

Trichromacy



Original Color

49.9233, 0.2969, 0.3547

Protanomaly

49.7067, 0.3175, 0.3499

Deuteranomaly

49.1913, 0.3207, 0.3380

Tritanomaly

49.8068, 0.2867, 0.3250

Monochromacy



Original Color

49.9233, 0.2969, 0.3547

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.7202, 0.3065, 0.3383

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9233, 0.2969, 0.3547 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, 196, 177)` looks like.

```
.text, #text, p{  
    color:rgb(158, 196, 177)  
}
```

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, 196, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 196, 177) }
```

Border

The CSS property to change the border of an element to Yxy 49.9233, 0.2969, 0.3547 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, 196, 177) }
```

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

```
.border{ border-color:rgb(158, 196, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 196, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 196, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 196, 177);  
box-shadow:4px 4px 4px 4px rgb(158, 196,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9233, 0.2969, 0.3547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 196, 177) }
```

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

```
.background{ background-color: rgb(158,  
196, 177) }
```

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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