

Converting Colors

$Y_{xy}(49.0063, 0.2947, 0.3494)$

Have a look what the booklet for
Yxy(49.0063, 0.2947, 0.3494)
contains.

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Color

Yxy(49.0063, 0.2947, 0.3494)

Conversions

Conversions Part 1

Format	Color
Hex	9DC2B3
RGB	157, 194, 179
RGB Percent	62%, 76%, 70%
CMY	0.3842, 0.2392, 0.2981
CMYK	0.19, 0.00, 0.08, 0.24
HSL	156°, 23%, 69%
HSV	156°, 19%, 76%
XYZ	41.3342, 49.0063, 49.9180
YIQ	181.2270, -17.2370, -12.5090

Conversions

Conversions Part 2

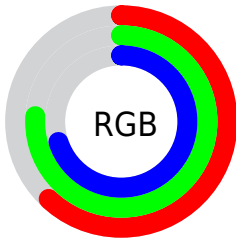
Format	Color
RYB	157, 180, 194
Decimal	10338995
CIELab	75.46, -15.39, 3.47
CIElCh	75, 15.774, 167.309
Yxy	49.0063, 0.2947, 0.3494
Android (android.graphics.Color)	4288529075 (0xFF9DC2B3)
YUV	181.2270, -1.0979, -21.2471
Hunter-Lab	70.0045, -17.1125, 6.7253

Details

The Yxy color **49.0063, 0.2947, 0.3494** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.5704, 0.3351, 0.3095**, and the grayscale version is **46.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.9896, 0.2978, 0.3458**, and **23.2658, 0.2898, 0.3554** is the 20% darker color. If you saturate the color by 10%, you get **46.8994, 0.2859, 0.3617**, and if you desaturate by 10%, it is **51.4454, 0.3040, 0.3382**.

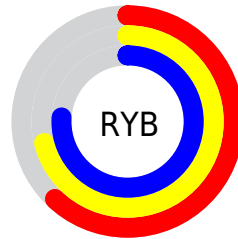
Distribution



Red (62%)

Green (76%)

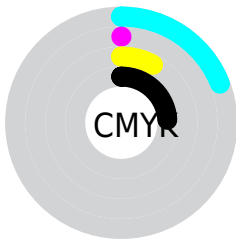
Blue (70%)



Red (62%)

Yellow (71%)

Blue (76%)

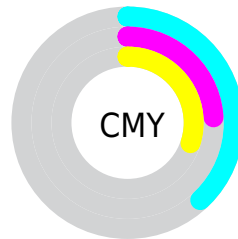


Cyan (19%)

Magenta (0%)

Yellow (8%)

Black (24%)



Cyan (38%)

Magenta (24%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0063, 0.2947, 0.3494 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 49.0063, 0.2947, 0.3494 by changing the saturation by 10% instead.

 49.0063, 0.2947,
0.3494


 49.0063, 0.2947,
0.3494


382.7671, 0.3037,
0.3392

 34.6245, 0.2925,
0.3520


 88.7008, 0.2980,
0.3457

 23.3738, 0.2896,
0.3553


 114.7823, 0.2992,
0.3443

 14.8697, 0.2857,
0.3598


145.5324, 0.3002,
0.3431

 8.7280, 0.2804,
0.3660

181.3357, 0.3011,
0.3421

 4.5642, 0.2724,
0.3755

222.5763, 0.3019,
0.3412

 1.9939, 0.2591,
0.3913

269.6389, 0.3026,

 0.6039, 0.1629,

0.3404

0.4960

322.9077, 0.3032,
0.3398

0.0000, 0.0000,
0.0000

49.0063, 0.2947,
0.3494

49.0063, 0.2947,
0.3494

46.8994, 0.2859,
0.3617

51.4454, 0.3040,
0.3382

45.1036, 0.2780,
0.3752

54.2244, 0.3136,
0.3281

43.6049, 0.2712,
0.3895

57.3585, 0.3233,
0.3191

42.3858, 0.2659,
0.4046

60.8600, 0.3329,
0.3111

41.4268, 0.2623,
0.4203

64.7409, 0.3424,
0.3041

■ 40.7058, 0.2607,
0.4361

■ 65.3494, 0.3370,
0.2964

■ 40.1970, 0.2611,
0.4518

■ 65.7927, 0.3309,
0.2887

■ 39.8557, 0.2632,
0.4670

■ 66.2561, 0.3250,
0.2812

■ 39.8269, 0.2635,
0.4685

■ 66.7399, 0.3192,
0.2739

Harmonies

Analogous

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



49.0063, 0.3159, 0.3635



49.0063, 0.2947, 0.3494



49.0063, 0.2787, 0.3295

Triad

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



49.0063, 0.2947, 0.3494



49.0063, 0.2883, 0.2927



49.0063, 0.3557, 0.3453

Complementary

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



49.0063, 0.2947, 0.3494



38.5704, 0.3351, 0.3095

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.



49.0063, 0.3478, 0.3270



49.0063, 0.2947, 0.3494



49.0063, 0.3083, 0.2974

Square

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



49.0063, 0.2947, 0.3494



49.0063, 0.2750, 0.2971



49.0063, 0.3303, 0.3098



49.0063, 0.3515, 0.3602

Rectangle

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



49.0063, 0.2947, 0.3494



49.0063, 0.2728, 0.3163



49.0063, 0.3303, 0.3098



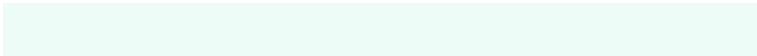
49.0063, 0.3543, 0.3394

Sweetspot

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



49.0083, 0.2947, 0.3494



94.6327, 0.3068, 0.3351



49.8386, 0.3228, 0.3787



20.6522, 0.3062, 0.3358



0.0000, 0.0000, 0.0000



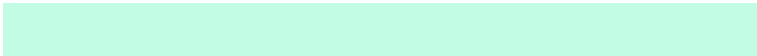
21.4041, 0.3127, 0.3290

Same Dimension

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



49.0083, 0.2947, 0.3494



87.0741, 0.2908, 0.3546



48.2919, 0.2842, 0.3248



11.3570, 0.3037, 0.3385



26.2011, 0.2629, 0.4665



1.1455, 0.2534, 0.4323

Inverse Universe

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



38.5704, 0.3351, 0.3095



64.5957, 0.3414, 0.3048



39.0815, 0.3489, 0.3332



10.1442, 0.3227, 0.3197



7.9253, 0.5328, 0.2708



0.3561, 0.4744, 0.2387

Previews

White Background



This preview shows how the Yxy color 49.0063, 0.2947, 0.3494 looks on a white background.

Color Contrast Check

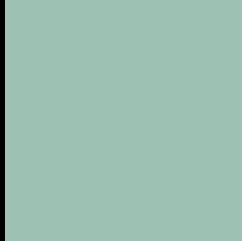
Large Text (above 18pt) WCAG AA × Fail

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 49.0063, 0.2947, 0.3494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

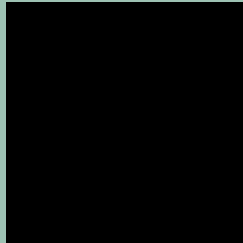
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0063, 0.2947, 0.3494

Background



This preview shows how black text looks on a background with the Yxy color 49.0063, 0.2947, 0.3494.



This preview shows how white text looks on a background with the Yxy color 49.0063, 0.2947, 0.3494.

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

49.0063, 0.2947, 0.3494

Protanopia

48.8303, 0.3265, 0.3431

Deuteranopia

48.4550, 0.3322, 0.3254



Tritanopia

48.9161, 0.2804, 0.3094

Trichromacy



Original Color

49.0063, 0.2947, 0.3494

Protanomaly

48.6847, 0.3145, 0.3447

Deuteranomaly

48.1820, 0.3176, 0.3329

Tritanomaly

48.7207, 0.2851, 0.3223

Monochromacy



Original Color

49.0063, 0.2947, 0.3494

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.1838, 0.3057, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0063, 0.2947, 0.3494 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(157, 194, 179)` looks like.

```
.text, #text, p{  
    color:rgb(157, 194, 179)  
}
```

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(157, 194, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 194, 179) }
```

Border

The CSS property to change the border of an element to Yxy 49.0063, 0.2947, 0.3494 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(157, 194, 179) }
```

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

```
.border{ border-color:rgb(157, 194, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 194, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 194, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 194, 179);  
box-shadow:4px 4px 4px 4px rgb(157, 194,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0063, 0.2947, 0.3494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 194, 179) }
```

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

```
.background{ background-color: rgb(157,  
194, 179) }
```

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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