

Converting Colors

$Y_{xy}(49.5330, 0.2975, 0.4122)$

Have a look what the booklet for
Yxy(49.5330, 0.2975, 0.4122)
contains.

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Color

Yxy(49.5330, 0.2975, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	82CB92
RGB	130, 203, 146
RGB Percent	51%, 80%, 57%
CMY	0.4903, 0.2039, 0.4273
CMYK	0.36, 0.00, 0.28, 0.20
HSL	133°, 41%, 65%
HSV	133°, 36%, 80%
XYZ	35.7498, 49.5330, 34.8846
YIQ	174.6750, -25.2110, -33.2030

Conversions

Conversions Part 2

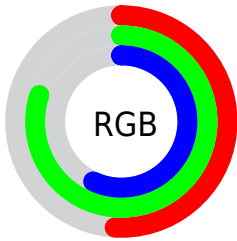
Format	Color
RYB	130, 190, 203
Decimal	8571794
CIELab	75.78, -34.69, 21.39
CIELCh	76, 40.753, 148.338
Yxy	49.5330, 0.2975, 0.4122
Android (android.graphics.Color)	4286761874 (0xFF82CB92)
YUV	174.6750, -14.1368, -39.1800
Hunter-Lab	70.3797, -32.4943, 19.8779

Details

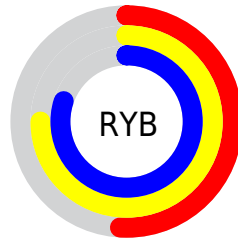
The Yxy color **49.5330, 0.2975, 0.4122** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.2428, 0.3330, 0.2583**, and the grayscale version is **42.7771, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.0044, 0.3009, 0.3910**, and **23.5838, 0.2918, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **47.6259, 0.2940, 0.4405**, and if you desaturate by 10%, it is **51.8292, 0.3015, 0.3859**.

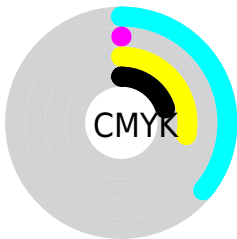
Distribution



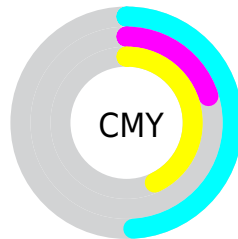
- Red (51%)
- Green (80%)
- Blue (57%)



- Red (51%)
- Yellow (75%)
- Blue (80%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (20%)





- Cyan (49%)
- Magenta (20%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5330, 0.2975, 0.4122 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 49.5330, 0.2975, 0.4122 by changing the saturation by 10% instead.

 49.5330, 0.2975,
0.4122


 49.5330, 0.2975,
0.4122


384.8369, 0.3061,
0.3689

 35.0425, 0.2950,
0.4235


 89.4826, 0.3009,
0.3961

 23.6956, 0.2916,
0.4383


 115.7104, 0.3021,
0.3902

 15.1080, 0.2867,
0.4585

 146.6194, 0.3031,
0.3852

 8.8952, 0.2791,
0.4875

182.5941, 0.3039,
0.3810

 4.6729, 0.2663,
0.5323

224.0188, 0.3046,
0.3773

 2.0566, 0.2483,
0.6275

271.2779, 0.3052,

 0.6401, 0.0000,

0.3742

1.0000

324.7558, 0.3057,
0.3714

■ 0.0000, 0.0000,
0.0000

■ 49.5330, 0.2975,
0.4122

■ 49.5330, 0.2975,
0.4122

■ 47.6259, 0.2940,
0.4405

■ 51.8292, 0.3015,
0.3859

■ 46.0802, 0.2913,
0.4699

■ 54.5280, 0.3058,
0.3619

■ 44.8743, 0.2897,
0.4992


■ 57.6501, 0.3101,
0.3406

■ 43.9816, 0.2894,
0.5268


■ 61.2127, 0.3144,
0.3217

■ 43.3715, 0.2905,
0.5512

■ 65.2320, 0.3186,
0.3052

 43.0063, 0.2928,
0.5709

 69.7237, 0.3226,
0.2909

 42.9011, 0.2937,
0.5774

 71.1944, 0.3151,
0.2782

Harmonies

Analogous

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



49.5330, 0.3523, 0.4308



49.5330, 0.2975, 0.4122



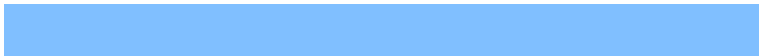
49.5330, 0.2494, 0.3635

Triad

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



49.5330, 0.2975, 0.4122



49.5330, 0.2294, 0.2435



49.5330, 0.4153, 0.3368

Complementary

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



49.5330, 0.2975, 0.4122



32.2428, 0.3330, 0.2583

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.



49.5330, 0.3763, 0.2951



49.5330, 0.2975, 0.4122



49.5330, 0.2671, 0.2435

Square

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



49.5330, 0.2975, 0.4122



49.5330, 0.2130, 0.2647



49.5330, 0.3205, 0.2621



49.5330, 0.4230, 0.3800

Rectangle

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



49.5330, 0.2975, 0.4122



49.5330, 0.2271, 0.3254



49.5330, 0.3205, 0.2621



49.5330, 0.4053, 0.3223

Sweetspot

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



49.5351, 0.2975, 0.4122



93.7327, 0.3079, 0.3513



54.9135, 0.3529, 0.4220



19.9108, 0.3073, 0.3543



0.0000, 0.0000, 0.0000



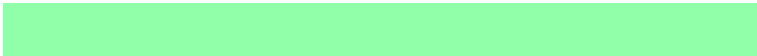
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5351, 0.2975, 0.4122



80.4534, 0.2948, 0.4336



50.8491, 0.2748, 0.3579



12.5767, 0.3086, 0.3476



27.3117, 0.2931, 0.5753



1.4207, 0.2826, 0.5373

Inverse Universe

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



32.2428, 0.3330, 0.2583



47.3813, 0.3386, 0.2437



30.8808, 0.3737, 0.3023



11.3599, 0.3171, 0.3111



9.6731, 0.3851, 0.1895



0.5098, 0.3702, 0.1813

Previews

White Background



This preview shows how the Yxy color 49.5330, 0.2975, 0.4122 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 49.5330, 0.2975, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

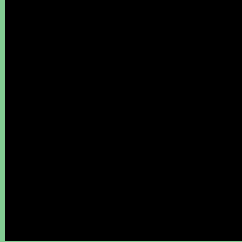
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.5330, 0.2975, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 49.5330, 0.2975, 0.4122.



This preview shows how white text looks on a background with the Yxy color 49.5330, 0.2975, 0.4122.

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

49.5330, 0.2975, 0.4122

Protanopia

49.0949, 0.3630, 0.3899

Deuteranopia

49.0735, 0.3700, 0.3629



Tritanopia

49.5230, 0.2650, 0.3090

Trichromacy



Original Color

49.5330, 0.2975, 0.4122

Protanomaly

48.6210, 0.3366, 0.3980

Deuteranomaly

48.4507, 0.3409, 0.3804

Tritanomaly

49.3793, 0.2763, 0.3442

Monochromacy



Original Color

49.5330, 0.2975, 0.4122

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

44.7492, 0.3072, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5330, 0.2975, 0.4122 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(130, 203, 146)` looks like.

```
.text, #text, p{  
    color:rgb(130, 203, 146)  
}
```

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(130, 203, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 203, 146) }
```

Border

The CSS property to change the border of an element to Yxy 49.5330, 0.2975, 0.4122 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(130, 203, 146) }
```

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

```
.border{ border-color:rgb(130, 203, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 203, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 203, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 203, 146);  
box-shadow:4px 4px 4px 4px rgb(130, 203,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5330, 0.2975, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 203, 146) }
```

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

```
.background{ background-color: rgb(130,  
203, 146) }
```

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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