

Converting Colors

$Y_{xy}(49.4929, 0.2712, 0.4196)$

Have a look what the booklet for
Yxy(49.4929, 0.2712, 0.4196)
contains.

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Color

Yxy(49.2601, 0.2712, 0.4198)

Conversions

Conversions Part 1

Format	Color
Hex	56D095
RGB	86, 208, 149
RGB Percent	34%, 82%, 58%
CMY	0.6624, 0.1843, 0.4157
CMYK	0.59, 0.00, 0.28, 0.18
HSL	151°, 56%, 58%
HSV	151°, 59%, 82%
XYZ	31.8231, 49.2601, 36.2586
YIQ	164.7960, -53.7730, -44.2130

Conversions

Conversions Part 2

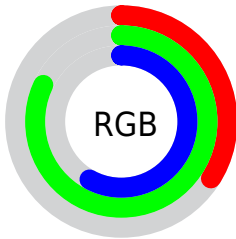
Format	Color
RYB	86, 166, 208
Decimal	5689493
CIELab	75.61, -47.69, 19.33
CIELCh	76, 51.457, 157.940
Yxy	49.2601, 0.2712, 0.4198
Android (android.graphics.Color)	4283879573 (0xFF56D095)
YUV	164.7960, -7.7874, -69.1041
Hunter-Lab	70.1855, -41.8903, 18.5000

Details

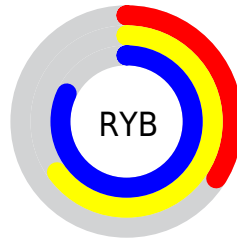
The Yxy color **49.2601, 0.2712, 0.4198** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **22.1257, 0.4014, 0.2577**, and the grayscale version is **37.5919, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8515, 0.2782, 0.3911**, and **23.6643, 0.2581, 0.4493** is the 20% darker color. If you saturate the color by 10%, you get **48.1054, 0.2682, 0.4387**, and if you desaturate by 10%, it is **50.7339, 0.2759, 0.4014**.

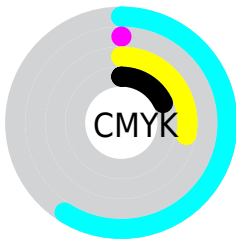
Distribution



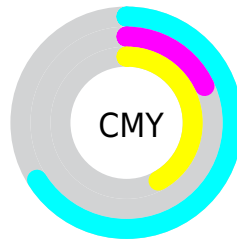
- Red (34%)
- Green (82%)
- Blue (58%)



- Red (34%)
- Yellow (65%)
- Blue (82%)



- Cyan (59%)
- Magenta (0%)
- Yellow (28%)
- Black (18%)





- Cyan (66%)
- Magenta (18%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2601, 0.2712, 0.4198 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 49.2601, 0.2712, 0.4198 by changing the saturation by 10% instead.

 49.2601, 0.2712,
0.4198

 49.2601, 0.2712,
0.4198


383.7654, 0.2930,
0.3722


 34.8259, 0.2654,
0.4324


 89.0776, 0.2794,
0.4020

 23.5288, 0.2579,
0.4489


 115.2297, 0.2823,
0.3955

 14.9844, 0.2475,
0.4715


 146.0565, 0.2848,
0.3900

 8.8085, 0.2324,
0.5042

 181.9425, 0.2870,
0.3854

 4.6165, 0.2088,
0.5553

223.2719, 0.2888,
0.3814

 2.0240, 0.1578,
0.6672

270.4293, 0.2904,

 0.6214, 0.0000,

0.3779

1.0000

323.7990, 0.2918,
0.3749

■ 0.0000, 0.0000,
0.0000

■ 49.2601, 0.2712,
0.4198

■ 49.2601, 0.2712,
0.4198

■ 48.1054, 0.2682,
0.4387

■ 50.7339, 0.2759,
0.4014

■ 47.2374, 0.2672,
0.4578

■ 52.5440, 0.2820,
0.3840

■ 46.6272, 0.2681,
0.4764

■ 54.7136, 0.2891,
0.3678

■ 46.2268, 0.2709,
0.4942

■ 57.2618, 0.2970,
0.3529

■ 46.1784, 0.2713,
0.4966

■ 60.2066, 0.3054,
0.3395

■ 63.5646, 0.3139,
0.3274

■ 67.3516, 0.3225,
0.3167

■ 71.5824, 0.3309,
0.3073

■ 72.6374, 0.3256,
0.2976

Harmonies

Analogous

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



49.2601, 0.3384, 0.4573



49.2601, 0.2712, 0.4198



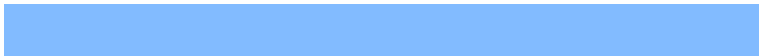
49.2601, 0.2188, 0.3484

Triad

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



49.2601, 0.2712, 0.4198



49.2601, 0.2217, 0.2211



49.2601, 0.4502, 0.3532

Complementary

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



49.2601, 0.2712, 0.4198



22.1257, 0.4014, 0.2577

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.



49.2601, 0.4125, 0.3015



49.2601, 0.2712, 0.4198



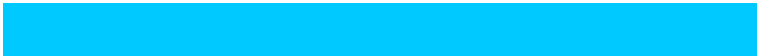
49.2601, 0.2747, 0.2294

Square

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



49.2601, 0.2712, 0.4198



49.2601, 0.1937, 0.2369



49.2601, 0.3451, 0.2579



49.2601, 0.4446, 0.4053

Rectangle

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



49.2601, 0.2712, 0.4198



49.2601, 0.1980, 0.3007



49.2601, 0.3451, 0.2579



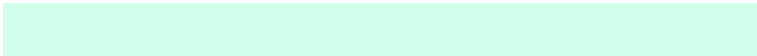
49.2601, 0.4422, 0.3355

Sweetspot

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



49.2621, 0.2712, 0.4198



90.9607, 0.2973, 0.3523



51.9902, 0.3448, 0.4941



19.1994, 0.2949, 0.3566



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.



49.2621, 0.2712, 0.4198



75.9267, 0.2678, 0.4430



51.6465, 0.2405, 0.3288



13.3067, 0.3047, 0.3405



28.8016, 0.2706, 0.4942



1.6264, 0.2615, 0.4613

Inverse Universe

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



22.1257, 0.4014, 0.2577



29.1388, 0.4307, 0.2487



20.7517, 0.4927, 0.3295



11.9022, 0.3216, 0.3178



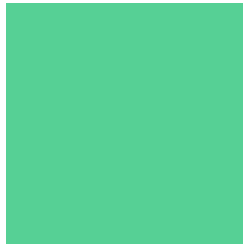
8.9588, 0.5012, 0.2535



0.5169, 0.4594, 0.2305

Previews

White Background



This preview shows how the Yxy color 49.2601, 0.2712, 0.4198 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 49.2601, 0.2712, 0.4198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

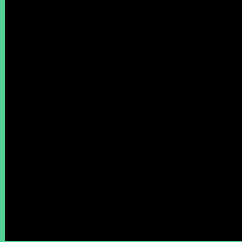
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.2601, 0.2712, 0.4198

Background



This preview shows how black text looks on a background with the Yxy color 49.2601, 0.2712, 0.4198.

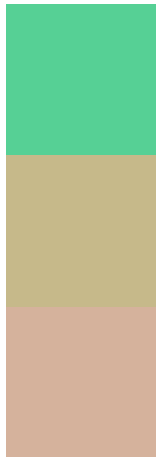


This preview shows how white text looks on a background with the Yxy color 49.2601, 0.2712, 0.4198.

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

49.2601, 0.2712, 0.4198

Protanopia

48.5387, 0.3624, 0.3890

Deuteranopia

48.3872, 0.3631, 0.3559



Tritanopia

48.9305, 0.2427, 0.3055

Trichromacy



Original Color

49.2601, 0.2712, 0.4198



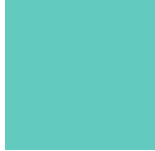
Protanomaly

47.2610, 0.3213, 0.4011



Deuteranomaly

46.9106, 0.3219, 0.3787



Tritanomaly

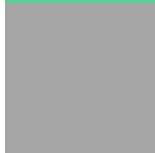
48.6995, 0.2522, 0.3433

Monochromacy



Original Color

49.2601, 0.2712, 0.4198



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.7852, 0.2923, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2601, 0.2712, 0.4198 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(86, 208, 149)` looks like.

```
.text, #text, p{  
    color:rgb(86, 208, 149)  
}
```

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(86, 208, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 208, 149) }
```

Border

The CSS property to change the border of an element to Yxy 49.2601, 0.2712, 0.4198 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(86, 208, 149) }
```

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

```
.border{ border-color:rgb(86, 208, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 208, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 208, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 208, 149);  
box-shadow:4px 4px 4px 4px rgb(86, 208,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2601, 0.2712, 0.4198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 208, 149) }
```

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

```
.background{ background-color: rgb(86, 208,  
149) }
```

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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