

Converting Colors

$Yxy(53.2779, 0.2876, 0.4355)$

Have a look what the booklet for
Yxy(53.2779, 0.2876, 0.4355)
contains.

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Color

Yxy(53.2973, 0.2875, 0.4349)

Conversions

Conversions Part 1

Format	Color
Hex	6DD68E
RGB	109, 214, 142
RGB Percent	43%, 84%, 56%
CMY	0.5726, 0.1608, 0.4431
CMYK	0.49, 0.00, 0.34, 0.16
HSL	139°, 56%, 63%
HSV	139°, 49%, 84%
XYZ	35.2333, 53.2973, 34.0201
YIQ	174.3970, -39.4680, -44.6520

Conversions

Conversions Part 2

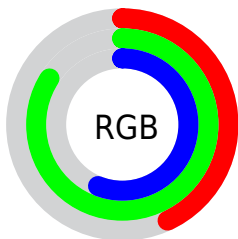
Format	Color
RYB	109, 189, 214
Decimal	7198350
CIELab	78.05, -46.21, 26.44
CIELCh	78, 53.242, 150.222
Yxy	53.2973, 0.2875, 0.4349
Android (android.graphics.Color)	4285388430 (0xFF6DD68E)
YUV	174.3970, -15.9717, -57.3532
Hunter-Lab	73.0050, -41.6119, 23.4746

Details

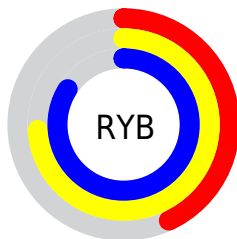
The Yxy color **53.2973, 0.2875, 0.4349** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.5655, 0.3546, 0.2439**, and the grayscale version is **42.6394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6125, 0.2924, 0.3978**, and **25.8620, 0.2780, 0.4675** is the 20% darker color. If you saturate the color by 10%, you get **51.6917, 0.2845, 0.4613**, and if you desaturate by 10%, it is **55.2957, 0.2916, 0.4096**.

Distribution



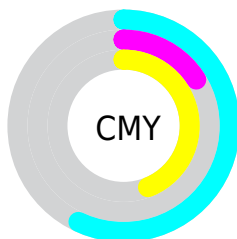
- Red (43%)
- Green (84%)
- Blue (56%)



- Red (43%)
- Yellow (74%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (34%)
- Black (16%)




- Cyan (57%)
- Magenta (16%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.2973, 0.2875, 0.4349 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 53.2973, 0.2875, 0.4349 by changing the saturation by 10% instead.


 53.2973, 0.2875,
0.4349

 53.2973, 0.2875,
0.4349

399.4247, 0.3016,
0.3799


 38.0402, 0.2835,
0.4492


 95.0417, 0.2929,
0.4145

 26.0139, 0.2782,
0.4679


 122.2977, 0.2949,
0.4069

 16.8340, 0.2706,
0.4932


 154.3222, 0.2965,
0.4006

 10.1162, 0.2591,
0.5292

191.4995, 0.2978,
0.3952

 5.4761, 0.2403,
0.5837

234.2140, 0.2990,
0.3906

 2.5292, 0.2126,
0.6972

282.8501, 0.3000,

 0.8912, 0.0000,

0.3865

1.0000

337.7922, 0.3008,
0.3830

0.0000, 0.0000,
0.0000

53.2973, 0.2875,
0.4349

53.2973, 0.2875,
0.4349

51.6917, 0.2845,
0.4613

55.2957, 0.2916,
0.4096

50.4456, 0.2830,
0.4877

57.7043, 0.2965,
0.3859

49.5310, 0.2831,
0.5131


60.5474, 0.3019,
0.3642


48.9127, 0.2849,
0.5362

63.8455, 0.3075,
0.3448

48.5346, 0.2880,
0.5560

67.6177, 0.3132,
0.3275

 48.5054, 0.2883,
0.5577

 71.8822, 0.3189,
0.3123

 75.9314, 0.3216,
0.2988

 76.5767, 0.3146,
0.2891

Harmonies

Analogous

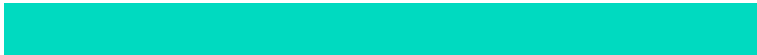
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.2973, 0.3560, 0.4599



53.2973, 0.2875, 0.4349



53.2973, 0.2294, 0.3682

Triad

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



53.2973, 0.2875, 0.4349



53.2973, 0.2114, 0.2220



53.2973, 0.4455, 0.3395

Complementary

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



53.2973, 0.2875, 0.4349



28.5655, 0.3546, 0.2439

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.



53.2973, 0.3977, 0.2889



53.2973, 0.2875, 0.4349



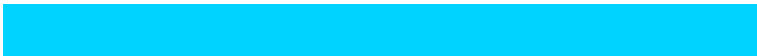
53.2973, 0.2585, 0.2245

Square

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



53.2973, 0.2875, 0.4349



53.2973, 0.1900, 0.2447



53.2973, 0.3263, 0.2483



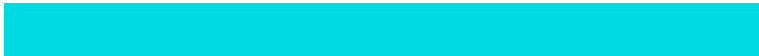
53.2973, 0.4511, 0.3926

Rectangle

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



53.2973, 0.2875, 0.4349



53.2973, 0.2038, 0.3181



53.2973, 0.3263, 0.2483



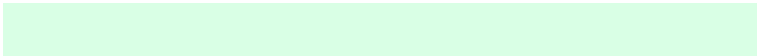
53.2973, 0.4337, 0.3220

Sweetspot

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



53.2995, 0.2875, 0.4349



91.8780, 0.3041, 0.3563



59.2063, 0.3586, 0.4594



19.4489, 0.3029, 0.3606



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.



53.2995, 0.2875, 0.4349



76.7582, 0.2844, 0.4626



55.1969, 0.2593, 0.3580



13.9597, 0.3073, 0.3454



29.3328, 0.2875, 0.5551



1.7840, 0.2776, 0.5195

Inverse Universe

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



28.5655, 0.3546, 0.2439



35.8110, 0.3674, 0.2284



26.8411, 0.4211, 0.3036



12.5631, 0.3185, 0.3131



9.9287, 0.4194, 0.2084



0.6135, 0.3983, 0.1968

Previews

White Background



This preview shows how the Yxy color 53.2973, 0.2875, 0.4349 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 53.2973, 0.2875, 0.4349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

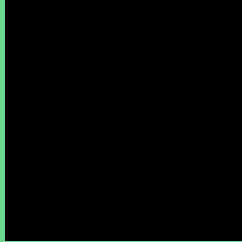
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.2973, 0.2875, 0.4349

Background



This preview shows how black text looks on a background with the Yxy color 53.2973, 0.2875, 0.4349.



This preview shows how white text looks on a background with the Yxy color 53.2973, 0.2875, 0.4349.

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

53.2973, 0.2875, 0.4349

Protanopia

52.6306, 0.3727, 0.4024

Deuteranopia

52.4585, 0.3781, 0.3699



Tritanopia

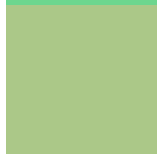
52.9954, 0.2519, 0.3065

Trichromacy



Original Color

53.2973, 0.2875, 0.4349



Protanomaly

51.7441, 0.3359, 0.4149



Deuteranomaly

51.1728, 0.3399, 0.3932



Tritanomaly

52.9825, 0.2647, 0.3510

Monochromacy



Original Color

53.2973, 0.2875, 0.4349



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

45.4879, 0.3013, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.2973, 0.2875, 0.4349 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(109, 214, 142)` looks like.

```
.text, #text, p{  
    color:rgb(109, 214, 142)  
}
```

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(109, 214, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 214, 142) }
```

Border

The CSS property to change the border of an element to Yxy 53.2973, 0.2875, 0.4349 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(109, 214, 142) }
```

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

```
.border{ border-color:rgb(109, 214, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 214, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 214, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 214, 142); box-shadow:4px 4px 4px 4px rgb(109, 214, 142) }
```


Background

The CSS property to change the background color of an element to Yxy 53.2973, 0.2875, 0.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 214, 142) }
```

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

```
.background{ background-color: rgb(109,  
214, 142) }
```

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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