

Converting Colors

$Yxy(53.7779, 0.2821, 0.4202)$

Have a look what the booklet for
Yxy(53.7779, 0.2821, 0.4202)
contains.

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Color

Yxy(53.6113, 0.2819, 0.4195)

Conversions

Conversions Part 1

Format	Color
Hex	6DD698
RGB	109, 214, 152
RGB Percent	43%, 84%, 60%
CMY	0.5723, 0.1608, 0.4039
CMYK	0.49, 0.00, 0.29, 0.16
HSL	145°, 56%, 63%
HSV	145°, 49%, 84%
XYZ	36.0263, 53.6113, 38.1605
YIQ	175.5370, -42.6780, -41.5420

Conversions

Conversions Part 2

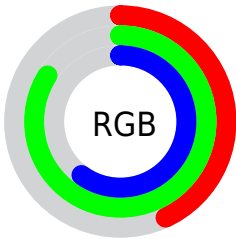
Format	Color
RYB	109, 183, 214
Decimal	7198360
CIELab	78.23, -44.33, 21.46
CIELCh	78, 49.255, 154.165
Yxy	53.6113, 0.2819, 0.4195
Android (android.graphics.Color)	4285388440 (0xFF6DD698)
YUV	175.5370, -11.6037, -58.3529
Hunter-Lab	73.2197, -40.3072, 20.3532

Details

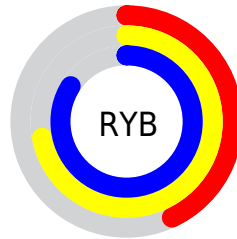
The Yxy color **53.6113, 0.2819, 0.4195** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.1860, 0.3667, 0.2549**, and the grayscale version is **43.2487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1320, 0.2867, 0.3844**, and **26.0463, 0.2713, 0.4461** is the 20% darker color. If you saturate the color by 10%, you get **52.0243, 0.2782, 0.4422**, and if you desaturate by 10%, it is **55.5772, 0.2869, 0.3978**.

Distribution



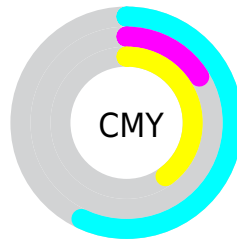
- Red (43%)
- Green (84%)
- Blue (60%)



- Red (43%)
- Yellow (72%)
- Blue (84%)



- Cyan (49%)
- Magenta (0%)
- Yellow (29%)
- Black (16%)





- Cyan (57%)
- Magenta (16%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6113, 0.2819, 0.4195 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 53.6113, 0.2819, 0.4195 by changing the saturation by 10% instead.

 53.6113, 0.2819,
0.4195


 53.6113, 0.2819,
0.4195


400.6260, 0.2982,
0.3728


 38.2910, 0.2776,
0.4316


 95.5033, 0.2880,
0.4022

 26.2086, 0.2718,
0.4473


 122.8438, 0.2903,
0.3958

 16.9798, 0.2639,
0.4687

 154.9597, 0.2921,
0.3904

 10.2201, 0.2524,
0.4991

192.2356, 0.2937,
0.3858

 5.5451, 0.2343,
0.5454

235.0558, 0.2951,
0.3819

 2.5705, 0.2038,
0.6263

283.8046, 0.2963,

 0.9119, 0.0000,

0.3784

1.0000

338.8666, 0.2973,
0.3754

■ 0.0000, 0.0000,
0.0000

■ 53.6113, 0.2819,
0.4195

■ 53.6113, 0.2819,
0.4195

■ 52.0243, 0.2782,
0.4422

■ 55.5772, 0.2869,
0.3978

■ 50.7839, 0.2761,
0.4654

■ 57.9386, 0.2928,
0.3776

■ 49.8631, 0.2758,
0.4883

■ 60.7192, 0.2994,
0.3591

■ 49.2276, 0.2774,
0.5100

■ 63.9386, 0.3063,
0.3425

■ 48.8229, 0.2807,
0.5298


■ 67.6154, 0.3134,
0.3277

 48.7894, 0.2810,
0.5316

 71.7668, 0.3204,
0.3145

 75.6718, 0.3245,
0.3028

 76.4514, 0.3158,
0.2908

 76.5714, 0.3146,
0.2891

Harmonies

Analogous

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



53.6113, 0.3454, 0.4490



53.6113, 0.2819, 0.4195



53.6113, 0.2299, 0.3561

Triad

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



53.6113, 0.2819, 0.4195



53.6113, 0.2227, 0.2283



53.6113, 0.4384, 0.3462

Complementary

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



53.6113, 0.2819, 0.4195



28.1860, 0.3667, 0.2549

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.



53.6113, 0.3988, 0.2979



53.6113, 0.2819, 0.4195



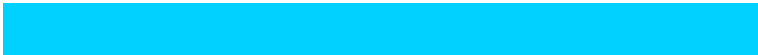
53.6113, 0.2700, 0.2332

Square

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



53.6113, 0.2819, 0.4195



53.6113, 0.1993, 0.2467



53.6113, 0.3345, 0.2579



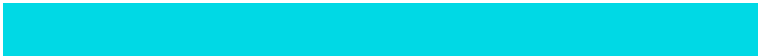
53.6113, 0.4388, 0.3956

Rectangle

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



53.6113, 0.2819, 0.4195



53.6113, 0.2080, 0.3110



53.6113, 0.3345, 0.2579



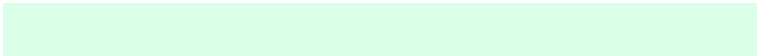
53.6113, 0.4292, 0.3296

Sweetspot

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



53.6135, 0.2819, 0.4195



92.0829, 0.3021, 0.3524



57.9695, 0.3502, 0.4632



19.4980, 0.3006, 0.3561



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.



53.6135, 0.2819, 0.4195



77.2544, 0.2780, 0.4435



55.6818, 0.2539, 0.3431



13.9794, 0.3061, 0.3431



29.5106, 0.2802, 0.5288



1.7962, 0.2705, 0.4940

Inverse Universe

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



28.1860, 0.3667, 0.2549



35.1403, 0.3841, 0.2414



26.5895, 0.4354, 0.3166



12.5427, 0.3200, 0.3153



9.5789, 0.4569, 0.2291



0.5940, 0.4272, 0.2127

Previews

White Background



This preview shows how the Yxy color 53.6113, 0.2819, 0.4195 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 53.6113, 0.2819, 0.4195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

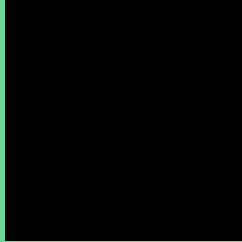
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6113, 0.2819, 0.4195

Background



This preview shows how black text looks on a background with the Yxy color 53.6113, 0.2819, 0.4195.

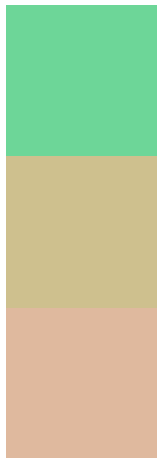


This preview shows how white text looks on a background with the Yxy color 53.6113, 0.2819, 0.4195.

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

53.6113, 0.2819, 0.4195

Protanopia

52.7741, 0.3639, 0.3905

Deuteranopia

52.8545, 0.3682, 0.3608



Tritanopia

53.4486, 0.2511, 0.3066

Trichromacy



Original Color

53.6113, 0.2819, 0.4195



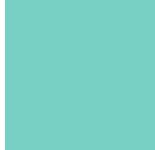
Protanomaly

52.0418, 0.3288, 0.4013



Deuteranomaly

51.8252, 0.3313, 0.3812



Tritanomaly

53.1360, 0.2614, 0.3440

Monochromacy



Original Color

53.6113, 0.2819, 0.4195



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

46.2923, 0.2993, 0.3614

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6113, 0.2819, 0.4195 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, 152)` looks like.

```
.text, #text, p{  
    color:rgb(109, 214, 152)  
}
```

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, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 214, 152) }
```

Border

The CSS property to change the border of an element to Yxy 53.6113, 0.2819, 0.4195 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, 152) }
```

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

```
.border{ border-color:rgb(109, 214, 152) }
```

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, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 214, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 214, 152);  
box-shadow:4px 4px 4px 4px rgb(109, 214,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 53.6113, 0.2819, 0.4195 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, 152) }
```

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

```
.background{ background-color: rgb(109,  
214, 152) }
```

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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