

Converting Colors

Yxy(51.4582, 0.2797, 0.4455)

Have a look what the booklet for
Yxy(51.4582, 0.2797, 0.4455)
contains.

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Color

Yxy(51.4693, 0.2795, 0.4448)

Conversions

Conversions Part 1

Format	Color
Hex	58D589
RGB	88, 213, 137
RGB Percent	35%, 84%, 54%
CMY	0.6545, 0.1647, 0.4627
CMYK	0.59, 0.00, 0.36, 0.16
HSL	143°, 60%, 59%
HSV	143°, 59%, 84%
XYZ	32.3419, 51.4693, 31.9022
YIQ	166.9610, -50.1040, -50.1360

Conversions

Conversions Part 2

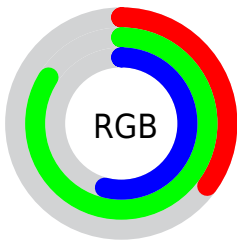
Format	Color
RYB	88, 178, 213
Decimal	5821833
CIELab	76.96, -51.63, 27.44
CIELCh	77, 58.471, 152.007
Yxy	51.4693, 0.2795, 0.4448
Android (android.graphics.Color)	4284011913 (0xFF58D589)
YUV	166.9610, -14.7708, -69.2488
Hunter-Lab	71.7421, -45.0795, 23.8545

Details

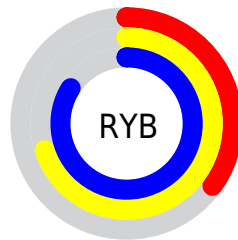
The Yxy color **51.4693, 0.2795, 0.4448** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **23.8244, 0.3793, 0.2401**, and the grayscale version is **38.7292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5775, 0.2855, 0.4059**, and **24.7923, 0.2675, 0.4823** is the 20% darker color. If you saturate the color by 10%, you get **50.2282, 0.2774, 0.4686**, and if you desaturate by 10%, it is **53.0630, 0.2831, 0.4214**.

Distribution



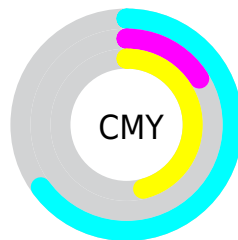
- Red (35%)
- Green (84%)
- Blue (54%)



- Red (35%)
- Yellow (70%)
- Blue (84%)



- Cyan (59%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)





- Cyan (65%)
- Magenta (16%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4693, 0.2795, 0.4448 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 51.4693, 0.2795, 0.4448 by changing the saturation by 10% instead.

 51.4693, 0.2795,
0.4448


 51.4693, 0.2795,
0.4448


392.3844, 0.2979,
0.3840


 36.5822, 0.2744,
0.4608


 92.3481, 0.2866,
0.4220


 24.8842, 0.2674,
0.4818


 119.1086, 0.2891,
0.4137

 15.9908, 0.2576,
0.5105


 150.5958, 0.2912,
0.4067

 9.5176, 0.2429,
0.5516

 187.1939, 0.2930,
0.4008

 5.0803, 0.2190,
0.6142

229.2874, 0.2945,
0.3957

 2.2945, 0.1781,
0.7791

277.2608, 0.2958,

 0.7708, 0.0000,

0.3913

1.0000

331.4983, 0.2969,
0.3874

■ 0.0000, 0.0000,
0.0000

■ 51.4693, 0.2795,
0.4448

■ 51.4693, 0.2795,
0.4448

■ 50.2282, 0.2774,
0.4686

■ 53.0630, 0.2831,
0.4214

■ 49.3044, 0.2772,
0.4921

■ 55.0284, 0.2880,
0.3991

■ 48.6664, 0.2788,
0.5142

■ 57.3906, 0.2938,
0.3783

■ 48.2627, 0.2820,
0.5342

■ 60.1709, 0.3001,
0.3593

■ 48.2162, 0.2824,
0.5368

■ 63.3887, 0.3068,
0.3422

67.0624, 0.3136,
0.3270

71.2093, 0.3204,
0.3136

75.1766, 0.3244,
0.3016

75.9773, 0.3156,
0.2893

Harmonies

Analogous

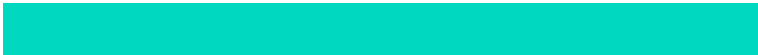
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.4693, 0.3546, 0.4750



51.4693, 0.2795, 0.4448



51.4693, 0.2175, 0.3672

Triad

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



51.4693, 0.2795, 0.4448



51.4693, 0.2040, 0.2113



51.4693, 0.4619, 0.3424

Complementary

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



51.4693, 0.2795, 0.4448



23.8244, 0.3793, 0.2401

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.



51.4693, 0.4112, 0.2876



51.4693, 0.2795, 0.4448



51.4693, 0.2566, 0.2159

Square

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



51.4693, 0.2795, 0.4448



51.4693, 0.1793, 0.2334



51.4693, 0.3321, 0.2429



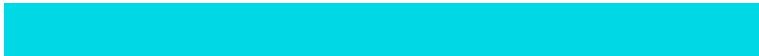
51.4693, 0.4640, 0.4002

Rectangle

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



51.4693, 0.2795, 0.4448



51.4693, 0.1912, 0.3112



51.4693, 0.3321, 0.2429



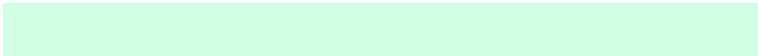
51.4693, 0.4499, 0.3235

Sweetspot

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



51.4714, 0.2795, 0.4448



90.6402, 0.3004, 0.3585



56.3034, 0.3563, 0.4881



19.1216, 0.2985, 0.3639



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.



51.4714, 0.2795, 0.4448



75.1652, 0.2772, 0.4736



53.7615, 0.2474, 0.3494



13.9757, 0.3063, 0.3435



29.4734, 0.2817, 0.5341



1.7937, 0.2719, 0.4989

Inverse Universe

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



23.8244, 0.3793, 0.2401



30.0046, 0.3999, 0.2280



22.1140, 0.4717, 0.3126



12.5465, 0.3197, 0.3149



9.6393, 0.4497, 0.2251



0.5974, 0.4216, 0.2096

Previews

White Background



This preview shows how the Yxy color 51.4693, 0.2795, 0.4448 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 51.4693, 0.2795, 0.4448 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 51.4693, 0.2795, 0.4448

Background



This preview shows how black text looks on a background with the Yxy color 51.4693, 0.2795, 0.4448.

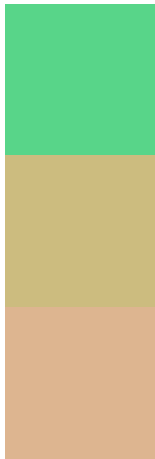


This preview shows how white text looks on a background with the Yxy color 51.4693, 0.2795, 0.4448.

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

51.4693, 0.2795, 0.4448

Protanopia

50.3361, 0.3756, 0.4047

Deuteranopia

50.4335, 0.3799, 0.3730



Tritanopia

51.2711, 0.2447, 0.3073

Trichromacy



Original Color

51.4693, 0.2795, 0.4448



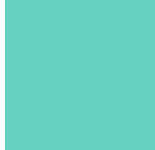
Protanomaly

49.2526, 0.3326, 0.4205



Deuteranomaly

48.9473, 0.3355, 0.3994



Tritanomaly

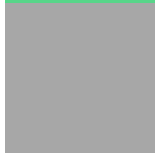
51.1833, 0.2570, 0.3546

Monochromacy



Original Color

51.4693, 0.2795, 0.4448



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

42.0846, 0.2962, 0.3708

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4693, 0.2795, 0.4448 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(88, 213, 137)` looks like.

```
.text, #text, p{  
    color:rgb(88, 213, 137)  
}
```

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(88, 213, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 213, 137) }
```

Border

The CSS property to change the border of an element to Yxy 51.4693, 0.2795, 0.4448 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(88, 213, 137) }
```

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

```
.border{ border-color:rgb(88, 213, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 213, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 213, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 213, 137);  
box-shadow:4px 4px 4px 4px rgb(88, 213,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4693, 0.2795, 0.4448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 213, 137) }
```

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

```
.background{ background-color: rgb(88, 213,  
137) }
```

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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