

Converting Colors

Yxy(44.2362, 0.2691, 0.4106)

Have a look what the booklet for
Yxy(44.2362, 0.2691, 0.4106)
contains.

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Color

Yxy(44.3338, 0.2688, 0.4105)

Conversions

Conversions Part 1

Format	Color
Hex	53C693
RGB	83, 198, 147
RGB Percent	33%, 78%, 58%
CMY	0.6744, 0.2235, 0.4235
CMYK	0.58, 0.00, 0.26, 0.22
HSL	153°, 50%, 55%
HSV	153°, 58%, 78%
XYZ	29.0303, 44.3338, 34.6354
YIQ	157.8010, -52.1690, -40.2410

Conversions

Conversions Part 2

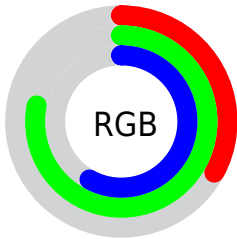
Format	Color
RYB	83, 157, 198
Decimal	5490323
CIELab	72.45, -44.53, 15.98
CIELCh	72, 47.309, 160.264
Yxy	44.3338, 0.2688, 0.4105
Android (android.graphics.Color)	4283680403 (0xFF53C693)
YUV	157.8010, -5.3249, -65.6005
Hunter-Lab	66.5836, -38.6959, 15.7671

Details

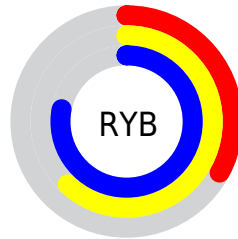
The Yxy color **44.3338, 0.2688, 0.4105** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **19.9185, 0.4070, 0.2642**, and the grayscale version is **34.1439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.3998, 0.2772, 0.3939**, and **20.4894, 0.2549, 0.4377** is the 20% darker color. If you saturate the color by 10%, you get **43.2943, 0.2654, 0.4277**, and if you desaturate by 10%, it is **45.6551, 0.2739, 0.3939**.

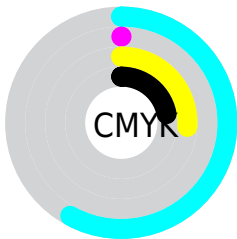
Distribution



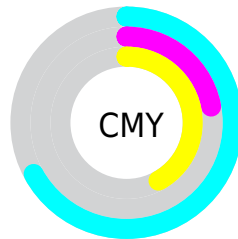
- Red (33%)
- Green (78%)
- Blue (58%)



- Red (33%)
- Yellow (62%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (26%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3338, 0.2688, 0.4105 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 44.3338, 0.2688, 0.4105 by changing the saturation by 10% instead.


 44.3338, 0.2688,
0.4105


 44.3338, 0.2688,
0.4105


364.0687, 0.2919,
0.3673


 30.9330, 0.2627,
0.4221


 81.7198, 0.2775,
0.3942


 20.5478, 0.2545,
0.4375


 106.4738, 0.2806,
0.3883

 12.7939, 0.2434,
0.4589


 135.7810, 0.2833,
0.3833

 7.2868, 0.2270,
0.4905

 170.0258, 0.2855,
0.3791

 3.6421, 0.2012,
0.5412

209.5925, 0.2875,
0.3755

 1.4754, 0.1071,
0.7085

254.8657, 0.2891,

 0.2713, 0.0000,

0.3724

1.0000

306.2296, 0.2906,
0.3697

■ 0.0000, 0.0000,
0.0000

■ 44.3338, 0.2688,
0.4105

■ 44.3338, 0.2688,
0.4105

■ 43.2943, 0.2654,
0.4277

■ 45.6551, 0.2739,
0.3939

■ 42.5082, 0.2639,
0.4451

■ 47.2731, 0.2805,
0.3782

■ 41.9503, 0.2644,
0.4622

■ 49.2080, 0.2881,
0.3635

■ 41.5803, 0.2667,
0.4788

■ 51.4767, 0.2965,
0.3501

■ 41.5182, 0.2672,
0.4820

■ 54.0949, 0.3054,
0.3379

■ 57.0771, 0.3145,
0.3270

■ 60.4371, 0.3236,
0.3173

■ 64.1880, 0.3327,
0.3087

■ 67.1415, 0.3366,
0.3007

Harmonies

Analogous

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



44.3338, 0.3326, 0.4497



44.3338, 0.2688, 0.4105



44.3338, 0.2200, 0.3422

Triad

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



44.3338, 0.2688, 0.4105



44.3338, 0.2288, 0.2254



44.3338, 0.4448, 0.3567

Complementary

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



44.3338, 0.2688, 0.4105



19.9185, 0.4070, 0.2642

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.



44.3338, 0.4118, 0.3067



44.3338, 0.2688, 0.4105



44.3338, 0.2814, 0.2349

Square

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



44.3338, 0.2688, 0.4105



44.3338, 0.1998, 0.2390



44.3338, 0.3491, 0.2637



44.3338, 0.4367, 0.4063

Rectangle

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



44.3338, 0.2688, 0.4105



44.3338, 0.2013, 0.2976



44.3338, 0.3491, 0.2637



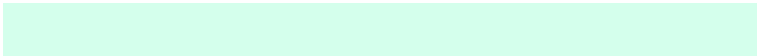
44.3338, 0.4382, 0.3397

Sweetspot

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



44.3356, 0.2688, 0.4105



91.5081, 0.2972, 0.3490



46.1448, 0.3399, 0.4947



19.3984, 0.2954, 0.3517



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.



44.3356, 0.2688, 0.4105



76.2053, 0.2647, 0.4329



43.7275, 0.2393, 0.3203



11.9850, 0.3042, 0.3394



27.0178, 0.2666, 0.4798



1.2937, 0.2570, 0.4451

Inverse Universe

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



19.9185, 0.4070, 0.2642



28.8869, 0.4411, 0.2557



19.7386, 0.4843, 0.3366



10.7138, 0.3221, 0.3188



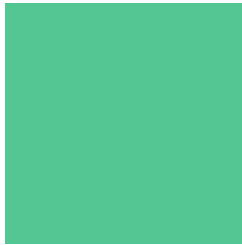
8.2805, 0.5177, 0.2625



0.4066, 0.4664, 0.2343

Previews

White Background



This preview shows how the Yxy color 44.3338, 0.2688, 0.4105 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 44.3338, 0.2688, 0.4105 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 44.3338, 0.2688, 0.4105

Background



This preview shows how black text looks on a background with the Yxy color 44.3338, 0.2688, 0.4105.



This preview shows how white text looks on a background with the Yxy color 44.3338, 0.2688, 0.4105.

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

44.3338, 0.2688, 0.4105

Protanopia

43.5482, 0.3569, 0.3812

Deuteranopia

43.6059, 0.3579, 0.3508



Tritanopia

44.1079, 0.2429, 0.3059

Trichromacy



Original Color

44.3338, 0.2688, 0.4105



Protanomaly

42.6881, 0.3172, 0.3922



Deuteranomaly

42.2478, 0.3177, 0.3707



Tritanomaly

44.0756, 0.2517, 0.3408

Monochromacy



Original Color

44.3338, 0.2688, 0.4105



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

37.0455, 0.2917, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3338, 0.2688, 0.4105 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(83, 198, 147)` looks like.

```
.text, #text, p{  
    color:rgb(83, 198, 147)  
}
```

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(83, 198, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 198, 147) }
```

Border

The CSS property to change the border of an element to Yxy 44.3338, 0.2688, 0.4105 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(83, 198, 147) }
```

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

```
.border{ border-color:rgb(83, 198, 147) }
```

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

Here you see how a box with a 4 pixel rgb(83, 198, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 198, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 198, 147);  
box-shadow:4px 4px 4px 4px rgb(83, 198,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3338, 0.2688, 0.4105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 198, 147) }
```

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

```
.background{ background-color: rgb(83, 198,  
147) }
```

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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