

Converting Colors

$Yxy(44.4681, 0.2670, 0.3887)$

Have a look what the booklet for
Yxy(44.4681, 0.2670, 0.3887)
contains.

Yxy(44.2756, 0.2669, 0.3884)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.2756, 0.2669, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	5DC49E
RGB	93, 196, 158
RGB Percent	36%, 77%, 62%
CMY	0.6353, 0.2314, 0.3804
CMYK	0.53, 0.00, 0.19, 0.23
HSL	158°, 47%, 57%
HSV	158°, 53%, 77%
XYZ	30.4252, 44.2756, 39.2940
YIQ	160.8710, -49.1900, -33.6540

Conversions

Conversions Part 2

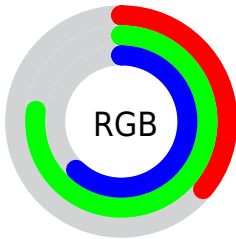
Format	Color
RYB	93, 156, 196
Decimal	6145182
CIELab	72.41, -39.05, 10.04
CIElCh	72, 40.325, 165.578
Yxy	44.2756, 0.2669, 0.3884
Android (android.graphics.Color)	4284335262 (0xFF5DC49E)
YUV	160.8710, -1.4154, -59.5229
Hunter-Lab	66.5399, -34.8261, 11.5652

Details

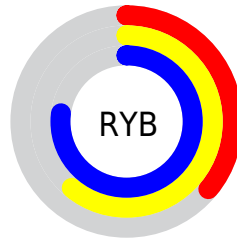
The Yxy color **44.2756, 0.2669, 0.3884** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **21.2014, 0.4054, 0.2793**, and the grayscale version is **35.6011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5387, 0.2754, 0.3761**, and **20.6687, 0.2530, 0.4075** is the 20% darker color. If you saturate the color by 10%, you get **43.1408, 0.2619, 0.4022**, and if you desaturate by 10%, it is **45.6907, 0.2735, 0.3752**.

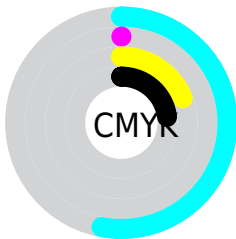
Distribution



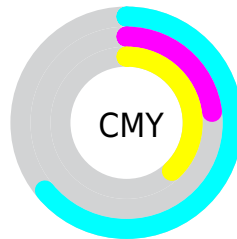
- Red (36%)
- Green (77%)
- Blue (62%)



- Red (36%)
- Yellow (61%)
- Blue (77%)



- Cyan (53%)
- Magenta (0%)
- Yellow (19%)
- Black (23%)




- Cyan (64%)
- Magenta (23%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2756, 0.2669, 0.3884 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 44.2756, 0.2669, 0.3884 by changing the saturation by 10% instead.


 44.2756, 0.2669,
0.3884

 44.2756, 0.2669,
0.3884


363.8317, 0.2905,
0.3573

 30.8872, 0.2608,
0.3966


 81.6323, 0.2756,
0.3768

 20.5130, 0.2529,
0.4074


 106.3694, 0.2788,
0.3725

 12.7685, 0.2421,
0.4223


 135.6582, 0.2816,
0.3689

 7.2693, 0.2267,
0.4441

 169.8832, 0.2839,
0.3659

 3.6311, 0.2030,
0.4787

209.4286, 0.2859,
0.3633

 1.4694, 0.1348,
0.5617

254.6789, 0.2876,

 0.2671, 0.0000,

0.3611

1.0000

306.0185, 0.2891,
0.3591

0.0000, 0.0000,
0.0000

44.2756, 0.2669,
0.3884

44.2756, 0.2669,
0.3884

43.1408, 0.2619,
0.4022

45.6907, 0.2735,
0.3752

42.2602, 0.2587,
0.4164

47.3993, 0.2815,
0.3628

41.6119, 0.2574,
0.4307

49.4200, 0.2904,
0.3513

41.1674, 0.2582,
0.4448

51.7684, 0.3001,
0.3408

40.9298, 0.2598,
0.4551

54.4591, 0.3101,
0.3313

■ 57.5057, 0.3203,
0.3228

■ 60.9210, 0.3306,
0.3152

■ 64.7173, 0.3407,
0.3085

■ 66.0734, 0.3392,
0.3016

Harmonies

Analogous

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



44.2756, 0.3209, 0.4274



44.2756, 0.2669, 0.3884



44.2756, 0.2275, 0.3304

Triad

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



44.2756, 0.2669, 0.3884



44.2756, 0.2470, 0.2389



44.2756, 0.4269, 0.3625

Complementary

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



44.2756, 0.2669, 0.3884



21.2014, 0.4054, 0.2793

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.



44.2756, 0.4044, 0.3180



44.2756, 0.2669, 0.3884



44.2756, 0.2960, 0.2503

Square

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



44.2756, 0.2669, 0.3884



44.2756, 0.2174, 0.2478



44.2756, 0.3546, 0.2784



44.2756, 0.4151, 0.4039

Rectangle

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



44.2756, 0.2669, 0.3884



44.2756, 0.2135, 0.2942



44.2756, 0.3546, 0.2784



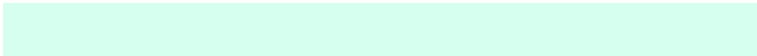
44.2756, 0.4232, 0.3476

Sweetspot

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



44.2774, 0.2669, 0.3884



92.1347, 0.2964, 0.3445



45.2161, 0.3332, 0.4813



19.5296, 0.2944, 0.3467



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.



44.2774, 0.2669, 0.3884



77.8923, 0.2613, 0.4042



40.5874, 0.2421, 0.3108



11.3634, 0.3032, 0.3376



26.3150, 0.2592, 0.4532



1.1499, 0.2506, 0.4221

Inverse Universe

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



21.2014, 0.4054, 0.2793



31.6476, 0.4383, 0.2716



22.6312, 0.4543, 0.3451



10.1379, 0.3232, 0.3205



7.8591, 0.5477, 0.2791



0.3529, 0.4863, 0.2452

Previews

White Background



This preview shows how the Yxy color 44.2756, 0.2669, 0.3884 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 44.2756, 0.2669, 0.3884 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 44.2756, 0.2669, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 44.2756, 0.2669, 0.3884.



This preview shows how white text looks on a background with the Yxy color 44.2756, 0.2669, 0.3884.

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

44.2756, 0.2669, 0.3884

Protanopia

43.6279, 0.3455, 0.3666

Deuteranopia

43.4356, 0.3440, 0.3368



Tritanopia

44.3605, 0.2460, 0.3074

Trichromacy



Original Color

44.2756, 0.2669, 0.3884



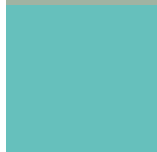
Protanomaly

42.8094, 0.3106, 0.3740



Deuteranomaly

42.3224, 0.3099, 0.3531



Tritanomaly

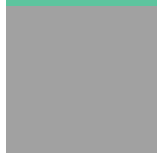
44.1549, 0.2533, 0.3348

Monochromacy



Original Color

44.2756, 0.2669, 0.3884



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

38.0444, 0.2913, 0.3503

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2756, 0.2669, 0.3884 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(93, 196, 158)` looks like.

```
.text, #text, p{  
    color:rgb(93, 196, 158)  
}
```

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(93, 196, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 196, 158) }
```

Border

The CSS property to change the border of an element to Yxy 44.2756, 0.2669, 0.3884 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(93, 196, 158) }
```

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

```
.border{ border-color:rgb(93, 196, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 196, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 196, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 196, 158);  
box-shadow:4px 4px 4px 4px rgb(93, 196,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2756, 0.2669, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 196, 158) }
```

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

```
.background{ background-color: rgb(93, 196,  
158) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor