

Converting Colors

$Yxy(44.4327, 0.2649, 0.3566)$

Have a look what the booklet for
Yxy(44.4327, 0.2649, 0.3566)
contains.

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Color

Yxy(44.4863, 0.2649, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	6DC1AF
RGB	109, 193, 175
RGB Percent	43%, 76%, 69%
CMY	0.5727, 0.2431, 0.3137
CMYK	0.44, 0.00, 0.09, 0.24
HSL	167°, 40%, 59%
HSV	167°, 44%, 76%
XYZ	33.1116, 44.4863, 47.3987
YIQ	165.8320, -44.2860, -23.4060

Conversions

Conversions Part 2

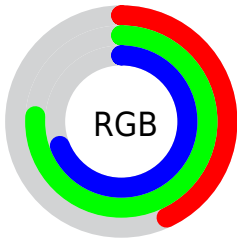
Format	Color
RYB	109, 156, 193
Decimal	7193007
CIELab	72.55, -29.87, 1.10
CIELCh	73, 29.894, 177.892
Yxy	44.4863, 0.2649, 0.3559
Android (android.graphics.Color)	4285383087 (0xFF6DC1AF)
YUV	165.8320, 4.5198, -49.8417
Hunter-Lab	66.6981, -28.1070, 4.5544

Details

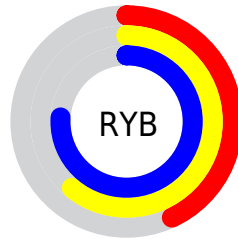
The Yxy color **44.4863, 0.2649, 0.3559** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.8015, 0.4006, 0.3047**, and the grayscale version is **38.0393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0837, 0.2741, 0.3517**, and **20.6522, 0.2509, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **43.2358, 0.2570, 0.3633**, and if you desaturate by 10%, it is **46.0140, 0.2742, 0.3489**.

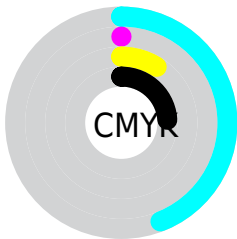
Distribution



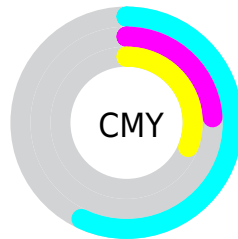
- Red (43%)
- Green (76%)
- Blue (69%)



- Red (43%)
- Yellow (61%)
- Blue (76%)



- Cyan (44%)
- Magenta (0%)
- Yellow (9%)
- Black (24%)




- Cyan (57%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.4863, 0.2649, 0.3559 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 44.4863, 0.2649, 0.3559 by changing the saturation by 10% instead.

 44.4863, 0.2649,
0.3559

 44.4863, 0.2649,
0.3559

364.6891, 0.2889,
0.3423


 31.0530, 0.2589,
0.3593


 81.9490, 0.2737,
0.3509


 20.6392, 0.2511,
0.3638


 106.7472, 0.2769,
0.3491

 12.8605, 0.2408,
0.3697


 136.1025, 0.2797,
0.3475

 7.3326, 0.2264,
0.3780

 170.3993, 0.2821,
0.3462

 3.6710, 0.2049,
0.3906

210.0219, 0.2841,
0.3450

 1.4913, 0.1643,
0.4142

255.3548, 0.2859,

 0.2826, 0.0000,

0.3440

0.5505

306.7824, 0.2875,
0.3431

0.0000, 0.0000,
0.0000

44.4863, 0.2649,
0.3559

44.4863, 0.2649,
0.3559

43.2358, 0.2570,
0.3633

46.0140, 0.2742,
0.3489

42.2394, 0.2509,
0.3709

47.8299, 0.2848,
0.3424

41.4789, 0.2466,
0.3787


49.9506, 0.2962,
0.3363


40.9313, 0.2443,
0.3865

52.3901, 0.3083,
0.3308

40.5689, 0.2439,
0.3943


55.1613, 0.3208,
0.3258

 40.3991, 0.2443,
0.3994

 58.2766, 0.3334,
0.3214

 61.7477, 0.3460,
0.3174

 63.9618, 0.3516,
0.3136

 64.1682, 0.3482,
0.3094

Harmonies

Analogous

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



44.4863, 0.3026, 0.3911



44.4863, 0.2649, 0.3559



44.4863, 0.2408, 0.3142

Triad

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



44.4863, 0.2649, 0.3559



44.4863, 0.2774, 0.2620



44.4863, 0.3969, 0.3695

Complementary

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



44.4863, 0.2649, 0.3559



23.8015, 0.4006, 0.3047

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.



44.4863, 0.3901, 0.3358



44.4863, 0.2649, 0.3559



44.4863, 0.3185, 0.2764

Square

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



44.4863, 0.2649, 0.3559



44.4863, 0.2477, 0.2629



44.4863, 0.3606, 0.3027



44.4863, 0.3796, 0.3960

Rectangle

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



44.4863, 0.2649, 0.3559



44.4863, 0.2347, 0.2904



44.4863, 0.3606, 0.3027



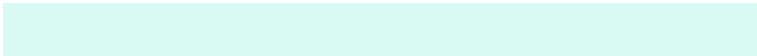
44.4863, 0.3975, 0.3587

Sweetspot

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



44.4881, 0.2649, 0.3559



89.5915, 0.2966, 0.3361



43.7728, 0.3199, 0.4575



19.0276, 0.2940, 0.3374



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.4881, 0.2649, 0.3559



77.5756, 0.2576, 0.3627



35.5496, 0.2483, 0.2927



11.3903, 0.3012, 0.3340



26.8798, 0.2440, 0.3983



1.1708, 0.2392, 0.3810

Inverse Universe

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



23.8015, 0.4006, 0.3047



35.8586, 0.4306, 0.3002



29.1574, 0.4107, 0.3617



10.1124, 0.3256, 0.3241



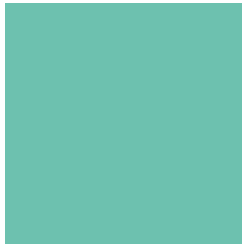
7.6587, 0.6013, 0.3086



0.3414, 0.5381, 0.2738

Previews

White Background



This preview shows how the Yxy color 44.4863, 0.2649, 0.3559 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 44.4863, 0.2649, 0.3559 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

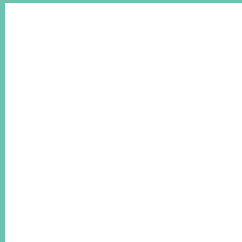
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.4863, 0.2649, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 44.4863, 0.2649, 0.3559.

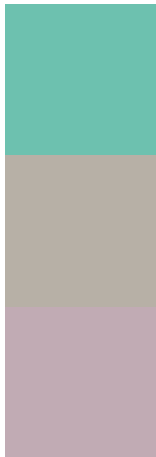


This preview shows how white text looks on a background with the Yxy color 44.4863, 0.2649, 0.3559.

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

44.4863, 0.2649, 0.3559

Protanopia

43.8711, 0.3273, 0.3424

Deuteranopia

43.7586, 0.3250, 0.3175



Tritanopia

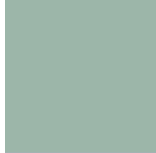
44.5367, 0.2517, 0.3076

Trichromacy



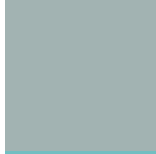
Original Color

44.4863, 0.2649, 0.3559



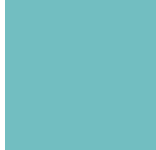
Protanomaly

43.3884, 0.3010, 0.3473



Deuteranomaly

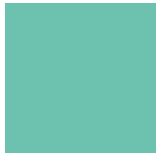
43.1359, 0.2991, 0.3303



Tritanomaly

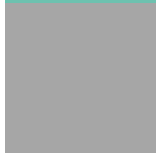
44.2546, 0.2565, 0.3245

Monochromacy



Original Color

44.4863, 0.2649, 0.3559



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

39.9350, 0.2919, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.4863, 0.2649, 0.3559 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, 193, 175)` looks like.

```
.text, #text, p{  
    color:rgb(109, 193, 175)  
}
```

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, 193, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 193, 175) }
```

Border

The CSS property to change the border of an element to Yxy 44.4863, 0.2649, 0.3559 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, 193, 175) }
```

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

```
.border{ border-color:rgb(109, 193, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 193, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 193, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 193, 175);  
box-shadow:4px 4px 4px 4px rgb(109, 193,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 44.4863, 0.2649, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 193, 175) }
```

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

```
.background{ background-color: rgb(109,  
193, 175) }
```

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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