

Converting Colors

$Yxy(44.9734, 0.2641, 0.3566)$

Have a look what the booklet for
Yxy(44.9734, 0.2641, 0.3566)
contains.

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Color

Yxy(44.9063, 0.2640, 0.3558)

Conversions

Conversions Part 1

Format	Color
Hex	6CC2B0
RGB	108, 194, 176
RGB Percent	42%, 76%, 69%
CMY	0.5761, 0.2392, 0.3098
CMYK	0.44, 0.00, 0.09, 0.24
HSL	167°, 41%, 59%
HSV	167°, 44%, 76%
XYZ	33.3200, 44.9063, 47.9859
YIQ	166.2340, -45.4780, -23.8300

Conversions

Conversions Part 2

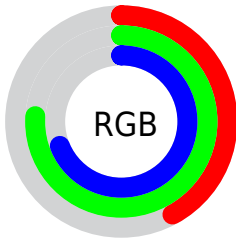
Format	Color
RYB	108, 156, 194
Decimal	7127728
CIELab	72.83, -30.33, 0.96
CIElCh	73, 30.350, 178.196
Yxy	44.9063, 0.2640, 0.3558
Android (android.graphics.Color)	4285317808 (0xFF6CC2B0)
YUV	166.2340, 4.8146, -51.0712
Hunter-Lab	67.0122, -28.5169, 4.4523

Details

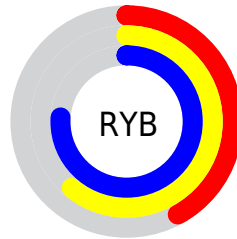
The Yxy color **44.9063, 0.2640, 0.3558** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **23.7197, 0.4035, 0.3049**, and the grayscale version is **38.2552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.7131, 0.2728, 0.3505**, and **20.9152, 0.2495, 0.3628** is the 20% darker color. If you saturate the color by 10%, you get **43.6645, 0.2562, 0.3630**, and if you desaturate by 10%, it is **46.4272, 0.2733, 0.3490**.

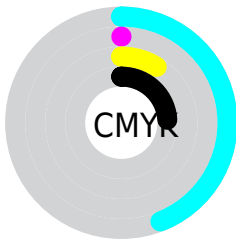
Distribution



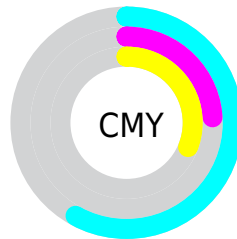
- Red (42%)
- Green (76%)
- Blue (69%)



- Red (42%)
- Yellow (61%)
- Blue (76%)



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



- Cyan (58%)
- Magenta (24%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9063, 0.2640, 0.3558 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 44.9063, 0.2640, 0.3558 by changing the saturation by 10% instead.


 44.9063, 0.2640,
0.3558


 44.9063, 0.2640,
0.3558


366.3939, 0.2884,
0.3423


 31.3836, 0.2579,
0.3592


 82.5798, 0.2729,
0.3509


 20.8911, 0.2500,
0.3636


 107.4994, 0.2762,
0.3490

 13.0445, 0.2396,
0.3694


 136.9868, 0.2790,
0.3475

 7.4592, 0.2250,
0.3776

 171.4263, 0.2815,
0.3461

 3.7509, 0.2034,
0.3899

211.2024, 0.2836,
0.3450

 1.5352, 0.1638,
0.4125

256.6994, 0.2854,

 0.3133, 0.0000,

0.3440

0.5332

308.3018, 0.2870,
0.3431

0.0000, 0.0000,
0.0000

44.9063, 0.2640,
0.3558

44.9063, 0.2640,
0.3558

43.6645, 0.2562,
0.3630

46.4272, 0.2733,
0.3490

42.6782, 0.2502,
0.3705

48.2382, 0.2838,
0.3425

41.9288, 0.2460,
0.3781


50.3565, 0.2953,
0.3366


41.3927, 0.2438,
0.3857


52.7962, 0.3074,
0.3312

41.0415, 0.2435,
0.3933


55.5705, 0.3199,
0.3263

 40.8920, 0.2438,
0.3977

 58.6919, 0.3326,
0.3219

 62.1723, 0.3453,
0.3180

 64.4188, 0.3510,
0.3142

 64.6220, 0.3478,
0.3101

Harmonies

Analogous

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



44.9063, 0.3020, 0.3917



44.9063, 0.2640, 0.3558



44.9063, 0.2398, 0.3136

Triad

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



44.9063, 0.2640, 0.3558



44.9063, 0.2774, 0.2614



44.9063, 0.3979, 0.3703

Complementary

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



44.9063, 0.2640, 0.3558



23.7197, 0.4035, 0.3049

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.



44.9063, 0.3913, 0.3362



44.9063, 0.2640, 0.3558



44.9063, 0.3190, 0.2760

Square

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



44.9063, 0.2640, 0.3558



44.9063, 0.2472, 0.2621



44.9063, 0.3616, 0.3027



44.9063, 0.3801, 0.3970

Rectangle

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



44.9063, 0.2640, 0.3558



44.9063, 0.2338, 0.2895



44.9063, 0.3616, 0.3027



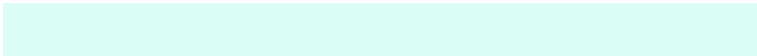
44.9063, 0.3985, 0.3593

Sweetspot

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



44.9081, 0.2640, 0.3558



91.6899, 0.2965, 0.3360



44.1534, 0.3200, 0.4600



19.8760, 0.2939, 0.3373



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.



44.9081, 0.2640, 0.3558



79.2063, 0.2565, 0.3627



35.7072, 0.2473, 0.2920



11.3912, 0.3012, 0.3339



26.9001, 0.2435, 0.3967



1.1716, 0.2388, 0.3797

Inverse Universe

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



23.7197, 0.4035, 0.3049



35.9867, 0.4351, 0.3005



29.1709, 0.4131, 0.3623



10.1116, 0.3257, 0.3242



7.6542, 0.6026, 0.3093



0.3410, 0.5400, 0.2748

Previews

White Background



This preview shows how the Yxy color 44.9063, 0.2640, 0.3558 looks on a white background.

Color Contrast Check

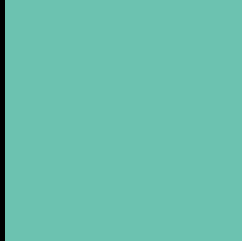
Large Text (above 18pt) WCAG AA × Fail

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 44.9063, 0.2640, 0.3558 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

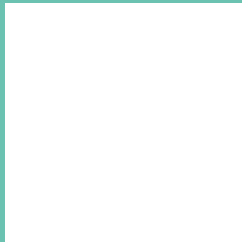
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.9063, 0.2640, 0.3558

Background



This preview shows how black text looks on a background with the Yxy color 44.9063, 0.2640, 0.3558.

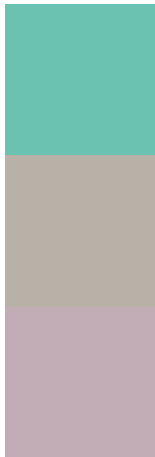


This preview shows how white text looks on a background with the Yxy color 44.9063, 0.2640, 0.3558.

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

44.9063, 0.2640, 0.3558

Protanopia

44.4246, 0.3272, 0.3423

Deuteranopia

44.3106, 0.3250, 0.3176



Tritanopia

44.9477, 0.2508, 0.3077

Trichromacy



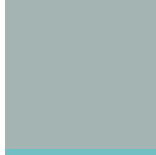
Original Color

44.9063, 0.2640, 0.3558



Protanomaly

43.8372, 0.3002, 0.3473



Deuteranomaly

43.6837, 0.2992, 0.3303



Tritanomaly

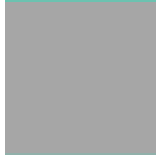
44.6674, 0.2556, 0.3245

Monochromacy



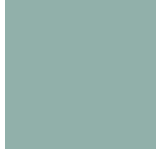
Original Color

44.9063, 0.2640, 0.3558



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

39.9727, 0.2911, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9063, 0.2640, 0.3558 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(108, 194, 176)` looks like.

```
.text, #text, p{  
    color:rgb(108, 194, 176)  
}
```

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(108, 194, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 194, 176) }
```

Border

The CSS property to change the border of an element to Yxy 44.9063, 0.2640, 0.3558 is called "border". The border property can be set on classes, ids or directly on the HTML element.

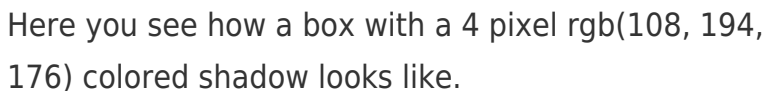
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(108, 194, 176) }
```

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

```
.border{ border-color:rgb(108, 194, 176) }
```

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



Here you see how a box with a 4 pixel `rgb(108, 194, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(108, 194, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(108, 194, 176); box-shadow:4px 4px 4px 4px rgb(108, 194, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9063, 0.2640, 0.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 194, 176) }
```

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

```
.background{ background-color: rgb(108,  
194, 176) }
```

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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