

Converting Colors

$Yxy(44.5650, 0.2588, 0.3534)$

Have a look what the booklet for
Yxy(44.5650, 0.2588, 0.3534)
contains.

Yxy(44.5073, 0.2584, 0.3530)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(44.5073, 0.2584, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	64C2B2
RGB	100, 194, 178
RGB Percent	39%, 76%, 70%
CMY	0.6080, 0.2392, 0.3019
CMYK	0.48, 0.00, 0.08, 0.24
HSL	170°, 44%, 58%
HSV	170°, 48%, 76%
XYZ	32.5798, 44.5073, 48.9959
YIQ	164.0700, -50.8880, -24.9040

Conversions

Conversions Part 2

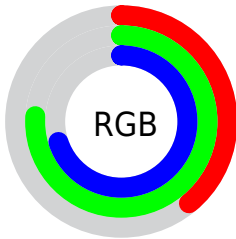
Format	Color
RYB	100, 151, 194
Decimal	6603442
CIELab	72.57, -31.83, -0.56
CIELCh	73, 31.832, 181.008
Yxy	44.5073, 0.2584, 0.3530
Android (android.graphics.Color)	4284793522 (0xFF64C2B2)
YUV	164.0700, 6.8675, -56.1894
Hunter-Lab	66.7138, -29.5782, 3.1560

Details

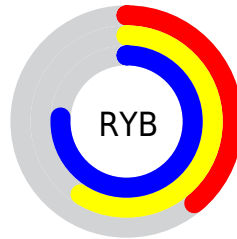
The Yxy color **44.5073, 0.2584, 0.3530** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **21.8367, 0.4223, 0.3078**, and the grayscale version is **37.1404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1030, 0.2683, 0.3483**, and **20.6880, 0.2435, 0.3610** is the 20% darker color. If you saturate the color by 10%, you get **43.4009, 0.2510, 0.3589**, and if you desaturate by 10%, it is **45.8837, 0.2674, 0.3474**.

Distribution



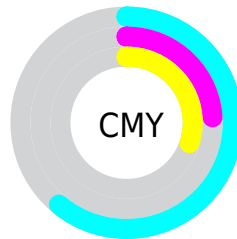
- Red (39%)
- Green (76%)
- Blue (70%)



- Red (39%)
- Yellow (59%)
- Blue (76%)



- Cyan (48%)
- Magenta (0%)
- Yellow (8%)
- Black (24%)





- Cyan (61%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5073, 0.2584, 0.3530 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 44.5073, 0.2584, 0.3530 by changing the saturation by 10% instead.


 44.5073, 0.2584,
0.3530


 44.5073, 0.2584,
0.3530

364.7744, 0.2856,
0.3410

 31.0695, 0.2516,
0.3560


 81.9806, 0.2683,
0.3487

 20.6518, 0.2429,
0.3598


 106.7848, 0.2720,
0.3470

 12.8697, 0.2314,
0.3648


 136.1467, 0.2751,
0.3457

 7.3389, 0.2154,
0.3717

 170.4507, 0.2778,
0.3445

 3.6749, 0.1918,
0.3818

210.0810, 0.2801,
0.3434

 1.4934, 0.1465,
0.4014

255.4221, 0.2822,

 0.2841, 0.0000,

0.3425

0.4491

306.8585, 0.2840,
0.3418

0.0000, 0.0000,
0.0000

44.5073, 0.2584,
0.3530

44.5073, 0.2584,
0.3530

43.4009, 0.2510,
0.3589

45.8837, 0.2674,
0.3474

42.5403, 0.2454,
0.3649

47.5421, 0.2779,
0.3421

41.9057, 0.2418,
0.3710


49.4998, 0.2894,
0.3371


41.4716, 0.2401,
0.3770

51.7715, 0.3018,
0.3326

41.1976, 0.2400,
0.3831

54.3708, 0.3147,
0.3284

 41.1607, 0.2400,
0.3840

 57.3103, 0.3279,
0.3247

 60.6023, 0.3413,
0.3213

 64.2271, 0.3544,
0.3184

 64.3876, 0.3517,
0.3150

Harmonies

Analogous

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



44.5073, 0.2972, 0.3924



44.5073, 0.2584, 0.3530



44.5073, 0.2349, 0.3087

Triad

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



44.5073, 0.2584, 0.3530



44.5073, 0.2793, 0.2590



44.5073, 0.4016, 0.3751

Complementary

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



44.5073, 0.2584, 0.3530



21.8367, 0.4223, 0.3078

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.



44.5073, 0.3972, 0.3397



44.5073, 0.2584, 0.3530



44.5073, 0.3236, 0.2757

Square

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



44.5073, 0.2584, 0.3530



44.5073, 0.2463, 0.2580



44.5073, 0.3679, 0.3044



44.5073, 0.3806, 0.4022

Rectangle

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



44.5073, 0.2584, 0.3530



44.5073, 0.2299, 0.2843



44.5073, 0.3679, 0.3044



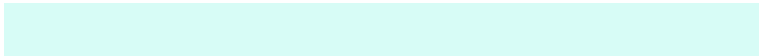
44.5073, 0.4031, 0.3638

Sweetspot

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



44.5091, 0.2584, 0.3530



90.9420, 0.2933, 0.3356



43.3026, 0.3177, 0.4751



19.7293, 0.2907, 0.3366



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.



44.5091, 0.2584, 0.3530



78.5455, 0.2507, 0.3591



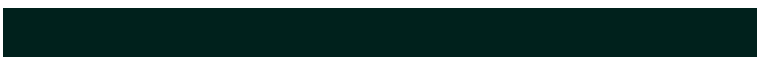
33.2342, 0.2409, 0.2828



11.3981, 0.3006, 0.3329



27.0698, 0.2398, 0.3832



1.1776, 0.2360, 0.3697

Inverse Universe

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



21.8367, 0.4223, 0.3078



32.7307, 0.4612, 0.3046



28.2860, 0.4244, 0.3694



10.1052, 0.3263, 0.3251



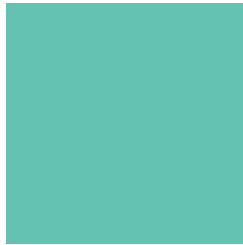
7.6214, 0.6128, 0.3150



0.3382, 0.5555, 0.2834

Previews

White Background



This preview shows how the Yxy color 44.5073, 0.2584, 0.3530 looks on a white background.

Color Contrast Check

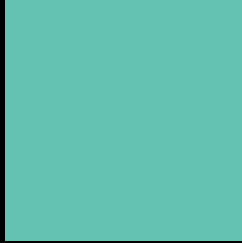
Large Text (above 18pt) WCAG AA × Fail

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 44.5073, 0.2584, 0.3530 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 44.5073, 0.2584, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 44.5073, 0.2584, 0.3530.

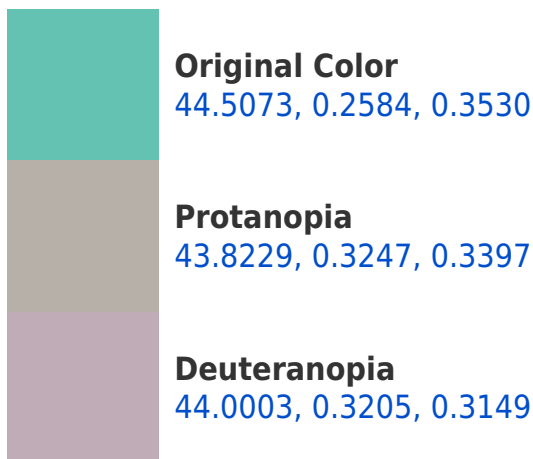


This preview shows how white text looks on a background with the Yxy color 44.5073, 0.2584, 0.3530.

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

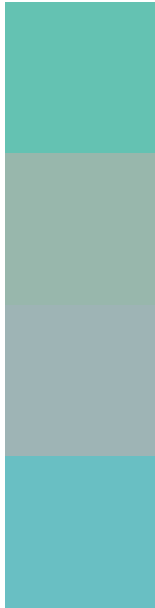




Tritanopia

44.4228, 0.2465, 0.3074

Trichromacy



Original Color

44.5073, 0.2584, 0.3530

Protanomaly

43.5209, 0.2955, 0.3446

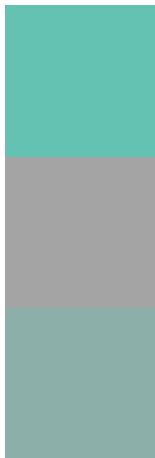
Deuteranomaly

43.2478, 0.2936, 0.3276

Tritanomaly

44.2050, 0.2507, 0.3230

Monochromacy



Original Color

44.5073, 0.2584, 0.3530

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

39.1872, 0.2886, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5073, 0.2584, 0.3530 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(100, 194, 178)` looks like.

```
.text, #text, p{  
    color:rgb(100, 194, 178)  
}
```

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(100, 194, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 194, 178) }
```

Border

The CSS property to change the border of an element to Yxy 44.5073, 0.2584, 0.3530 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(100, 194, 178) }
```

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

```
.border{ border-color:rgb(100, 194, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 194, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 194, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 194, 178);  
box-shadow:4px 4px 4px 4px rgb(100, 194,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5073, 0.2584, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 194, 178) }
```

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

```
.background{ background-color: rgb(100,  
194, 178) }
```

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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