

Converting Colors

$Yxy(48.9568, 0.2644, 0.3593)$

Have a look what the booklet for
Yxy(48.9568, 0.2644, 0.3593)
contains.

Yxy(48.9568, 0.2644, 0.3593)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9568, 0.2644, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	6FCAB5
RGB	111, 202, 181
RGB Percent	44%, 79%, 71%
CMY	0.5643, 0.2079, 0.2901
CMYK	0.45, 0.00, 0.10, 0.21
HSL	166°, 46%, 61%
HSV	166°, 45%, 79%
XYZ	36.0261, 48.9568, 51.2732
YIQ	172.3970, -47.4950, -25.8230

Conversions

Conversions Part 2

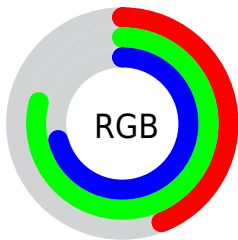
Format	Color
RYB	111, 162, 202
Decimal	7326389
CIELab	75.42, -32.22, 2.03
CIElCh	75, 32.284, 176.396
Yxy	48.9568, 0.2644, 0.3593
Android (android.graphics.Color)	4285516469 (0xFF6FCAB5)
YUV	172.3970, 4.2413, -53.8452
Hunter-Lab	69.9691, -30.5389, 5.5309

Details

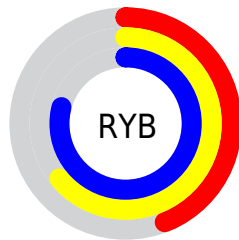
The Yxy color **48.9568, 0.2644, 0.3593** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **25.6126, 0.4034, 0.3019**, and the grayscale version is **41.4749, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.8499, 0.2723, 0.3490**, and **23.2102, 0.2511, 0.3677** is the 20% darker color. If you saturate the color by 10%, you get **47.6037, 0.2569, 0.3673**, and if you desaturate by 10%, it is **50.6165, 0.2734, 0.3517**.

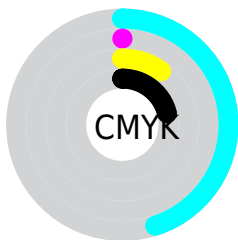
Distribution



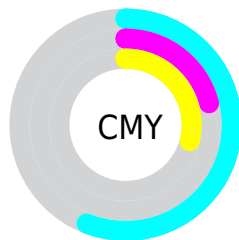
- Red (44%)
- Green (79%)
- Blue (71%)



- Red (44%)
- Yellow (64%)
- Blue (79%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (21%)




- Cyan (56%)
- Magenta (21%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9568, 0.2644, 0.3593 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 48.9568, 0.2644, 0.3593 by changing the saturation by 10% instead.


 48.9568, 0.2644,
0.3593


 48.9568, 0.2644,
0.3593


382.5722, 0.2883,
0.3442


 34.5852, 0.2585,
0.3631


 88.6273, 0.2730,
0.3538

 23.3435, 0.2510,
0.3679

 114.6950, 0.2763,
0.3517

 14.8474, 0.2411,
0.3743


 145.4302, 0.2791,
0.3500

 8.7123, 0.2274,
0.3833

181.2172, 0.2814,
0.3485

 4.5540, 0.2075,
0.3965

222.4406, 0.2835,
0.3472

 1.9881, 0.1759,
0.4181

269.4846, 0.2853,

 0.6005, 0.0000,

0.3461

0.5398

322.7337, 0.2869,
0.3451

0.0000, 0.0000,
0.0000

48.9568, 0.2644,
0.3593

48.9568, 0.2644,
0.3593

47.6037, 0.2569,
0.3673

50.6165, 0.2734,
0.3517

46.5312, 0.2512,
0.3757

52.5953, 0.2836,
0.3445

45.7183, 0.2474,
0.3842


54.9122, 0.2948,
0.3379

45.1386, 0.2455,
0.3927


57.5828, 0.3066,
0.3318

44.7600, 0.2455,
0.4012


60.6218, 0.3189,
0.3263

 44.6155, 0.2460,
0.4054

 64.0431, 0.3313,
0.3214

 67.8598, 0.3436,
0.3171

 68.5743, 0.3420,
0.3125

 68.8223, 0.3385,
0.3078

Harmonies

Analogous

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



48.9568, 0.3042, 0.3956



48.9568, 0.2644, 0.3593



48.9568, 0.2385, 0.3154

Triad

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



48.9568, 0.2644, 0.3593



48.9568, 0.2739, 0.2589



48.9568, 0.4011, 0.3694

Complementary

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



48.9568, 0.2644, 0.3593



25.6126, 0.4034, 0.3019

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.



48.9568, 0.3927, 0.3341



48.9568, 0.2644, 0.3593



48.9568, 0.3165, 0.2731

Square

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



48.9568, 0.2644, 0.3593



48.9568, 0.2438, 0.2605



48.9568, 0.3608, 0.2999



48.9568, 0.3840, 0.3978

Rectangle

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



48.9568, 0.2644, 0.3593



48.9568, 0.2316, 0.2901



48.9568, 0.3608, 0.2999



48.9568, 0.4012, 0.3580

Sweetspot

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



48.9587, 0.2644, 0.3593



93.7629, 0.2969, 0.3367



48.3162, 0.3211, 0.4624



19.8651, 0.2943, 0.3381



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.



48.9587, 0.2644, 0.3593



80.6624, 0.2571, 0.3671



39.3913, 0.2466, 0.2935



12.6810, 0.3014, 0.3344



28.7270, 0.2456, 0.4043



1.4931, 0.2411, 0.3878

Inverse Universe

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



25.6126, 0.4034, 0.3019



36.2250, 0.4351, 0.2970



31.1261, 0.4167, 0.3609



11.2554, 0.3254, 0.3237



8.2216, 0.5970, 0.3062



0.4362, 0.5404, 0.2751

Previews

White Background



This preview shows how the Yxy color 48.9568, 0.2644, 0.3593 looks on a white background.

Color Contrast Check

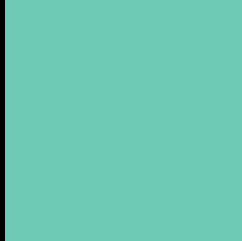
Large Text (above 18pt) WCAG AA × Fail

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 48.9568, 0.2644, 0.3593 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

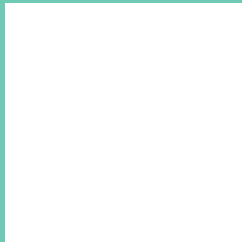
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9568, 0.2644, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 48.9568, 0.2644, 0.3593.

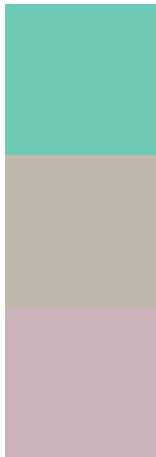


This preview shows how white text looks on a background with the Yxy color 48.9568, 0.2644, 0.3593.

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

48.9568, 0.2644, 0.3593

Protanopia

48.2976, 0.3291, 0.3457

Deuteranopia

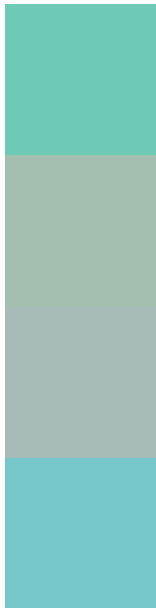
48.3419, 0.3270, 0.3204



Tritanopia

48.7297, 0.2503, 0.3070

Trichromacy



Original Color

48.9568, 0.2644, 0.3593

Protanomaly

48.0381, 0.3013, 0.3507

Deuteranomaly

47.4364, 0.3003, 0.3330

Tritanomaly

48.8458, 0.2557, 0.3260

Monochromacy



Original Color

48.9568, 0.2644, 0.3593

Achromatopsia

41.2543, 0.3127, 0.3290

Achromatomaly

43.4461, 0.2917, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9568, 0.2644, 0.3593 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(111, 202, 181)` looks like.

```
.text, #text, p{  
    color:rgb(111, 202, 181)  
}
```

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(111, 202, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 202, 181) }
```

Border

The CSS property to change the border of an element to Yxy 48.9568, 0.2644, 0.3593 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(111, 202, 181) }
```

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

```
.border{ border-color:rgb(111, 202, 181) }
```

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

Here you see how a box with a 4 pixel rgb(111, 202, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 202, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 202, 181);  
box-shadow:4px 4px 4px 4px rgb(111, 202,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9568, 0.2644, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 202, 181) }
```

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

```
.background{ background-color: rgb(111,  
202, 181) }
```

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