

# Converting Colors

$Yxy(48.6718, 0.2733, 0.3544)$

Have a look what the booklet for  
Yxy(48.6718, 0.2733, 0.3544)  
contains.

<b>Yxy(48.6951, 0.2731, 0.3545)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(48.6951, 0.2731, 0.3545)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7FC7B5
RGB	127, 199, 181
RGB Percent	50%, 78%, 71%
CMY	0.5021, 0.2196, 0.2901
CMYK	0.36, 0.00, 0.09, 0.22
HSL	165°, 39%, 64%
HSV	165°, 36%, 78%
XYZ	37.5138, 48.6951, 51.1539
YIQ	175.4200, -37.1340, -20.8620

# Conversions

## Conversions Part 2

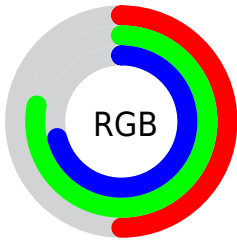
Format	Color
<a href="#">RYB</a>	<a href="#">127, 168, 199</a>
Decimal	<a href="#">8374197</a>
CIELab	<a href="#">75.26, -26.60, 1.87</a>
CIElCh	<a href="#">75, 26.668, 175.982</a>
Yxy	<a href="#">48.6951, 0.2731, 0.3545</a>
Android (android.graphics.Color)	<a href="#">4286564277</a> ( <a href="#">0xFF7FC7B5</a> )
YUV	<a href="#">175.4200, 2.7509, -42.4643</a>
Hunter-Lab	<a href="#">69.7819, -26.1591, 5.3845</a>

# Details

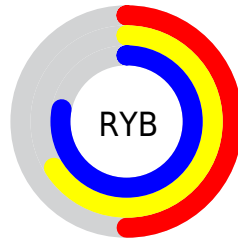
The Yxy color **48.6951, 0.2731, 0.3545** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **29.3534, 0.3771, 0.3054**, and the grayscale version is **43.0957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.5795, 0.2800, 0.3486**, and **23.2652, 0.2627, 0.3627** is the 20% darker color. If you saturate the color by 10%, you get **47.1173, 0.2645, 0.3629**, and if you desaturate by 10%, it is **50.5858, 0.2830, 0.3467**.

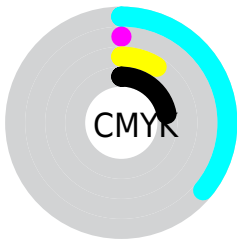
# Distribution



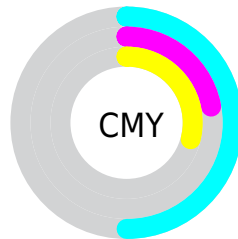
- Red (50%)
- Green (78%)
- Blue (71%)



- Red (50%)
- Yellow (66%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)




- Cyan (50%)
- Magenta (22%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6951, 0.2731, 0.3545 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 48.6951, 0.2731, 0.3545 by changing the saturation by 10% instead.





 48.6951, 0.2731,  
0.3545


 48.6951, 0.2731,  
0.3545

381.5408, 0.2928,  
0.3418


 34.3777, 0.2682,  
0.3577


 88.2384, 0.2802,  
0.3499

 23.1839, 0.2620,  
0.3618


 114.2331, 0.2829,  
0.3481

 14.7293, 0.2538,  
0.3672


 144.8891, 0.2852,  
0.3467

 8.6297, 0.2424,  
0.3748

180.5906, 0.2871,  
0.3454

 4.5004, 0.2257,  
0.3861

221.7222, 0.2888,  
0.3443

 1.9572, 0.1989,  
0.4047

268.6681, 0.2903,

 0.5825, 0.0000,

0.3433

0.5363

321.8128, 0.2916,  
0.3425

0.0000, 0.0000,  
0.0000

48.6951, 0.2731,  
0.3545

48.6951, 0.2731,  
0.3545

47.1173, 0.2645,  
0.3629

50.5858, 0.2830,  
0.3467

45.8287, 0.2573,  
0.3717

52.8000, 0.2938,  
0.3394

44.8113, 0.2520,  
0.3808


55.3550, 0.3054,  
0.3328


44.0428, 0.2485,  
0.3900


58.2651, 0.3173,  
0.3268

43.4973, 0.2470,  
0.3993

61.5437, 0.3294,  
0.3214

 43.1417, 0.2474,  
0.4086

 65.2036, 0.3414,  
0.3167

 43.0321, 0.2478,  
0.4120

 67.0578, 0.3444,  
0.3120

 67.3182, 0.3406,  
0.3070

 67.5865, 0.3368,  
0.3020

# Harmonies

## Analogous

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



48.6951, 0.3066, 0.3836



48.6951, 0.2731, 0.3545



48.6951, 0.2509, 0.3188

# Triad

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



48.6951, 0.2731, 0.3545



48.6951, 0.2802, 0.2700



48.6951, 0.3859, 0.3631

# Complementary

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



48.6951, 0.2731, 0.3545



29.3534, 0.3771, 0.3054

# 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.



48.6951, 0.3785, 0.3335



48.6951, 0.2731, 0.3545



48.6951, 0.3156, 0.2818

# Square

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



48.6951, 0.2731, 0.3545



48.6951, 0.2548, 0.2720



48.6951, 0.3521, 0.3044



48.6951, 0.3724, 0.3863



# Rectangle

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



48.6951, 0.2731, 0.3545



48.6951, 0.2448, 0.2976



48.6951, 0.3521, 0.3044



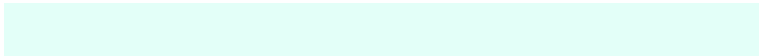
48.6951, 0.3858, 0.3535

# Sweetspot

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



48.6971, 0.2731, 0.3545



94.6202, 0.2996, 0.3360



48.3991, 0.3212, 0.4328



20.1221, 0.2980, 0.3369



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.



48.6971, 0.2731, 0.3545



83.1531, 0.2665, 0.3607



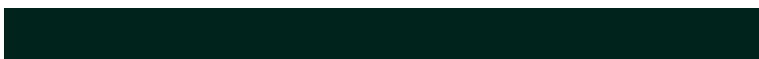
41.6787, 0.2588, 0.3032



12.0206, 0.3016, 0.3348



27.6825, 0.2474, 0.4108



1.3218, 0.2421, 0.3916



# Inverse Universe

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



29.3534, 0.3771, 0.3054



44.6238, 0.3970, 0.3006



33.9162, 0.3904, 0.3531



10.6796, 0.3251, 0.3233



7.9658, 0.5910, 0.3029

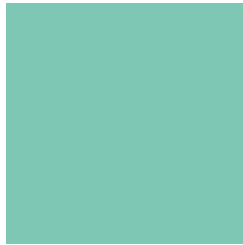


0.3892, 0.5298, 0.2692



# Previews

## White Background



This preview shows how the Yxy color 48.6951, 0.2731, 0.3545 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 48.6951, 0.2731, 0.3545 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

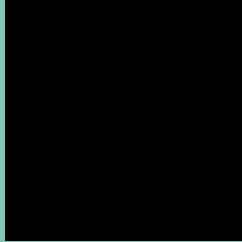
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

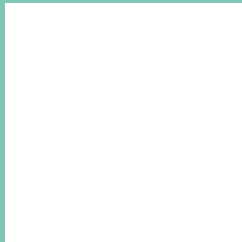
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.6951, 0.2731, 0.3545**

## Background



This preview shows how black text looks on a background with the Yxy color 48.6951, 0.2731, 0.3545.

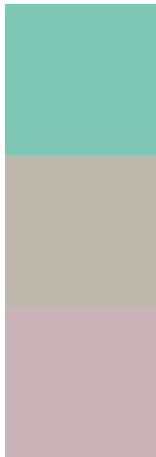


This preview shows how white text looks on a background with the Yxy color 48.6951, 0.2731, 0.3545.

# 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**

48.6951, 0.2731, 0.3545

**Protanopia**

48.3745, 0.3275, 0.3431

**Deuteranopia**

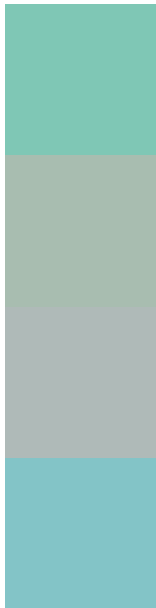
48.2995, 0.3279, 0.3217



## Tritanopia

48.7517, 0.2594, 0.3086

# Trichromacy



**Original Color**

48.6951, 0.2731, 0.3545

**Protanomaly**

47.8546, 0.3054, 0.3465

**Deuteranomaly**

47.6925, 0.3052, 0.3316

**Tritanomaly**

48.4287, 0.2642, 0.3247

# Monochromacy



**Original Color**

48.6951, 0.2731, 0.3545

**Achromatopsia**

42.8690, 0.3127, 0.3290

**Achromatomaly**

44.7244, 0.2967, 0.3387

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.6951, 0.2731, 0.3545 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(127, 199, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 199, 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(127, 199, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 199, 181) }
```

## Border

The CSS property to change the border of an element to Yxy 48.6951, 0.2731, 0.3545 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(127, 199, 181) }
```

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

```
.border{ border-color:rgb(127, 199, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 199, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 199, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 199, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 199,  
181) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.6951, 0.2731, 0.3545 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 199, 181) }
```

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

```
.background{ background-color: rgb(127,  
199, 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](#).

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