

# Converting Colors

$Yxy(48.2781, 0.2668, 0.3526)$

Have a look what the booklet for  
Yxy(48.2781, 0.2668, 0.3526)  
contains.

<b>Yxy(48.1173, 0.2665, 0.3519)</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(48.1173, 0.2665, 0.3519)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76C7B7
RGB	118, 199, 183
RGB Percent	46%, 78%, 72%
CMY	0.5374, 0.2196, 0.2823
CMYK	0.41, 0.00, 0.08, 0.22
HSL	168°, 42%, 62%
HSV	168°, 41%, 78%
XYZ	36.4401, 48.1173, 52.1784
YIQ	172.9570, -43.1400, -22.1480

# Conversions

## Conversions Part 2

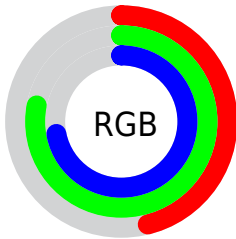
Format	Color
<a href="#">RYB</a>	<a href="#">118, 163, 199</a>
Decimal	<a href="#">7784375</a>
CIELab	<a href="#">74.90, -28.57, 0.21</a>
CIELCh	<a href="#">75, 28.575, 179.573</a>
Yxy	<a href="#">48.1173, 0.2665, 0.3519</a>
Android (android.graphics.Color)	<a href="#">4285974455 (0xFF76C7B7)</a>
YUV	<a href="#">172.9570, 4.9512, -48.1973</a>
Hunter-Lab	<a href="#">69.3666, -27.6210, 3.9580</a>

# Details

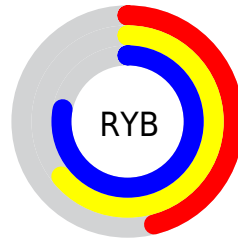
The Yxy color **48.1173, 0.2665, 0.3519** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.8121, 0.3944, 0.3080**, and the grayscale version is **41.7547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7507, 0.2748, 0.3466**, and **22.9193, 0.2539, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **46.7091, 0.2581, 0.3586**, and if you desaturate by 10%, it is **49.8278, 0.2764, 0.3456**.

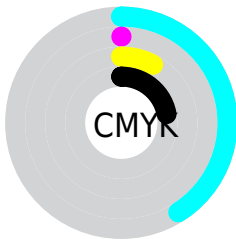
# Distribution



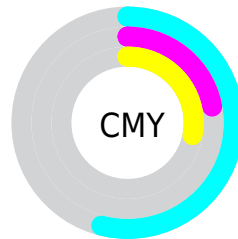
- Red (46%)
- Green (78%)
- Blue (72%)



- Red (46%)
- Yellow (64%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (8%)
- Black (22%)




- Cyan (54%)
- Magenta (22%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.1173, 0.2665, 0.3519 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 48.1173, 0.2665, 0.3519 by changing the saturation by 10% instead.





 48.1173, 0.2665,  
0.3519


 48.1173, 0.2665,  
0.3519


379.2569, 0.2894,  
0.3406


 33.9198, 0.2609,  
0.3547


 87.3790, 0.2748,  
0.3478

 22.8320, 0.2537,  
0.3583


 113.2120, 0.2779,  
0.3463

 14.4695, 0.2442,  
0.3630


 143.6923, 0.2805,  
0.3449

 8.4479, 0.2311,  
0.3695

179.2043, 0.2828,  
0.3438

 4.3829, 0.2120,  
0.3791

220.1323, 0.2848,  
0.3428

 1.8900, 0.1816,  
0.3943

266.8609, 0.2865,

 0.5423, 0.0000,

0.3420

0.4851

319.7742, 0.2880,  
0.3412

0.0000, 0.0000,  
0.0000

48.1173, 0.2665,  
0.3519

48.1173, 0.2665,  
0.3519

46.7091, 0.2581,  
0.3586

49.8278, 0.2764,  
0.3456

45.5788, 0.2513,  
0.3655

51.8518, 0.2874,  
0.3397

44.7073, 0.2464,  
0.3726


54.2070, 0.2993,  
0.3343


44.0711, 0.2434,  
0.3798

56.9082, 0.3118,  
0.3293

43.6418, 0.2423,  
0.3869


59.9692, 0.3246,  
0.3249

 43.3796, 0.2426,  
0.3935

 63.4028, 0.3375,  
0.3209

 66.7882, 0.3485,  
0.3173

 66.9869, 0.3455,  
0.3133

 67.1904, 0.3424,  
0.3094

# Harmonies

## Analogous

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



48.1173, 0.3013, 0.3851



48.1173, 0.2665, 0.3519



48.1173, 0.2447, 0.3134

# Triad

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



48.1173, 0.2665, 0.3519



48.1173, 0.2818, 0.2667



48.1173, 0.3908, 0.3688

# Complementary

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



48.1173, 0.2665, 0.3519



26.8121, 0.3944, 0.3080

# 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.



48.1173, 0.3857, 0.3374



48.1173, 0.2665, 0.3519



48.1173, 0.3205, 0.2809

# Square

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



48.1173, 0.2665, 0.3519



48.1173, 0.2531, 0.2668



48.1173, 0.3593, 0.3061



48.1173, 0.3737, 0.3926



# Rectangle

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



48.1173, 0.2665, 0.3519



48.1173, 0.2396, 0.2916



48.1173, 0.3593, 0.3061



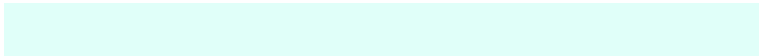
48.1173, 0.3917, 0.3588

# Sweetspot

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



48.1192, 0.2665, 0.3519



94.2686, 0.2975, 0.3350



47.2401, 0.3187, 0.4487



20.0555, 0.2959, 0.3357



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.



48.1192, 0.2665, 0.3519



82.0029, 0.2588, 0.3579



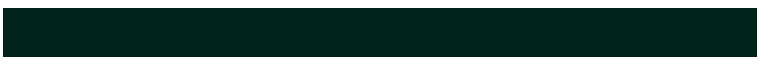
38.5145, 0.2517, 0.2934



12.0303, 0.3010, 0.3336



27.9044, 0.2424, 0.3925



1.3307, 0.2383, 0.3777



# Inverse Universe

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



26.8121, 0.3944, 0.3080



39.5949, 0.4229, 0.3038



32.8795, 0.4017, 0.3614



10.6706, 0.3259, 0.3245



7.9130, 0.6062, 0.3113

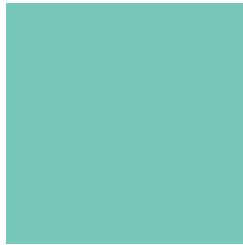


0.3851, 0.5486, 0.2796



# Previews

## White Background



This preview shows how the Yxy color 48.1173, 0.2665, 0.3519 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 48.1173, 0.2665, 0.3519 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

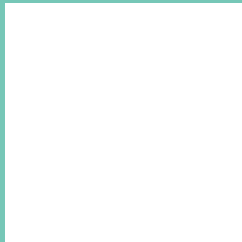
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 48.1173, 0.2665, 0.3519**

## Background



This preview shows how black text looks on a background with the Yxy color 48.1173, 0.2665, 0.3519.

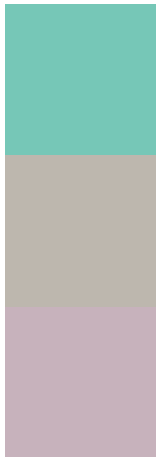


This preview shows how white text looks on a background with the Yxy color 48.1173, 0.2665, 0.3519.

# 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

48.1173, 0.2665, 0.3519

### Protanopia

47.7418, 0.3251, 0.3406

### Deuteranopia

47.6137, 0.3229, 0.3166



## Tritanopia

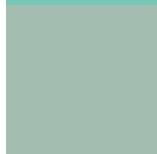
48.0933, 0.2536, 0.3070

# Trichromacy



## Original Color

48.1173, 0.2665, 0.3519



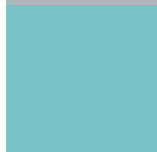
## Protanomaly

47.3560, 0.3007, 0.3453



## Deuteranomaly

47.2090, 0.2996, 0.3290



## Tritanomaly

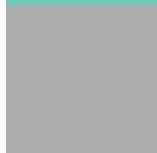
47.8345, 0.2578, 0.3219

# Monochromacy



## Original Color

48.1173, 0.2665, 0.3519



## Achromatopsia

41.7885, 0.3127, 0.3290



## Achromatomaly

43.4025, 0.2926, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.1173, 0.2665, 0.3519 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(118, 199, 183)` looks like.

```
.text, #text, p{  
    color:rgb(118, 199, 183)  
}
```

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(118, 199, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 199, 183) }
```

## Border

The CSS property to change the border of an element to Yxy 48.1173, 0.2665, 0.3519 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(118, 199, 183) }
```

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

```
.border{ border-color:rgb(118, 199, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 199, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 199, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 199, 183);  
box-shadow:4px 4px 4px 4px rgb(118, 199,  
183) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.1173, 0.2665, 0.3519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 199, 183) }
```

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

```
.background{ background-color: rgb(118,  
199, 183) }
```

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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