

# Converting Colors

$Yxy(45.7144, 0.2704, 0.3482)$

Have a look what the booklet for  
Yxy(45.7144, 0.2704, 0.3482)  
contains.

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# Color

**Yxy(45.6462, 0.2703, 0.3478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BC1B4
RGB	123, 193, 180
RGB Percent	48%, 76%, 71%
CMY	0.5177, 0.2431, 0.2941
CMYK	0.36, 0.00, 0.07, 0.24
HSL	169°, 36%, 62%
HSV	169°, 36%, 76%
XYZ	35.4749, 45.6462, 50.1216
YIQ	170.5880, -37.5470, -18.8830

# Conversions

## Conversions Part 2

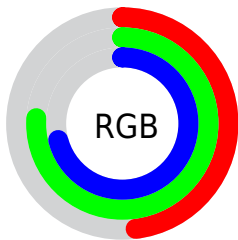
<b>Format</b>	<b>Color</b>
<b>RYB</b>	123, 162, 193
Decimal	8110516
CIELab	73.32, -24.98, -0.43
CIElCh	73, 24.988, 180.993
Yxy	45.6462, 0.2703, 0.3478
Android (android.graphics.Color)	4286300596 (0xFF7BC1B4)
YUV	170.5880, 4.6401, -41.7347
Hunter-Lab	67.5620, -24.5081, 3.3085

# Details

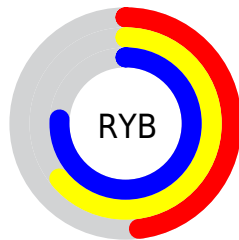
The Yxy color **45.6462, 0.2703, 0.3478** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **27.2779, 0.3827, 0.3115**, and the grayscale version is **40.4971, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8923, 0.2779, 0.3444**, and **21.2996, 0.2587, 0.3535** is the 20% darker color. If you saturate the color by 10%, you get **44.2182, 0.2611, 0.3539**, and if you desaturate by 10%, it is **47.3623, 0.2808, 0.3421**.

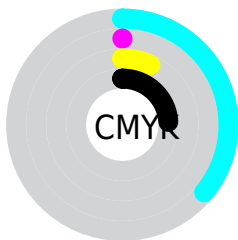
# Distribution



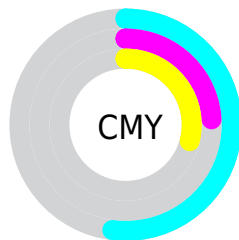
- Red (48%)
- Green (76%)
- Blue (71%)



- Red (48%)
- Yellow (64%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)




- Cyan (52%)
- Magenta (24%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6462, 0.2703, 0.3478 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 45.6462, 0.2703, 0.3478 by changing the saturation by 10% instead.





 45.6462, 0.2703,  
0.3478


 45.6462, 0.2703,  
0.3478


369.3844, 0.2915,  
0.3384

 31.9667, 0.2650,  
0.3501


 83.6893, 0.2780,  
0.3444

 21.3361, 0.2583,  
0.3531


 108.8216, 0.2809,  
0.3431

 13.3699, 0.2493,  
0.3570


 138.5404, 0.2833,  
0.3421

 7.6837, 0.2368,  
0.3625

173.2300, 0.2854,  
0.3411

 3.8933, 0.2182,  
0.3705

213.2748, 0.2872,  
0.3403

 1.6140, 0.1880,  
0.3835

259.0592, 0.2888,

 0.3670, 0.0000,

0.3396

0.4605

310.9676, 0.2902,  
0.3390

0.0000, 0.0000,  
0.0000

45.6462, 0.2703,  
0.3478

45.6462, 0.2703,  
0.3478

44.2182, 0.2611,  
0.3539

47.3623, 0.2808,  
0.3421

43.0560, 0.2534,  
0.3603

49.3761, 0.2924,  
0.3367

42.1434, 0.2476,  
0.3668


51.7038, 0.3047,  
0.3318


41.4595, 0.2436,  
0.3735


54.3584, 0.3175,  
0.3274


40.9803, 0.2416,  
0.3802


57.3525, 0.3305,  
0.3234


 40.6748, 0.2414,  
0.3869

 60.6979, 0.3436,  
0.3199

 40.5826, 0.2415,  
0.3894

 63.8150, 0.3540,  
0.3167

 63.9902, 0.3511,  
0.3130

 64.1694, 0.3482,  
0.3093

# Harmonies

## Analogous

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



45.6462, 0.3011, 0.3775



45.6462, 0.2703, 0.3478



45.6462, 0.2513, 0.3139

# Triad

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



45.6462, 0.2703, 0.3478



45.6462, 0.2867, 0.2733



45.6462, 0.3819, 0.3662

# Complementary

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



45.6462, 0.2703, 0.3478



27.2779, 0.3827, 0.3115

# 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.



45.6462, 0.3782, 0.3383



45.6462, 0.2703, 0.3478



45.6462, 0.3216, 0.2867

# Square

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



45.6462, 0.2703, 0.3478



45.6462, 0.2603, 0.2730



45.6462, 0.3556, 0.3098



45.6462, 0.3661, 0.3865



# Rectangle

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



45.6462, 0.2703, 0.3478



45.6462, 0.2471, 0.2947



45.6462, 0.3556, 0.3098



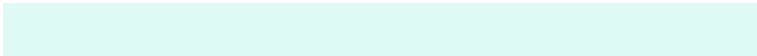
45.6462, 0.3830, 0.3573

# Sweetspot

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



45.6480, 0.2703, 0.3478



90.4837, 0.2986, 0.3342



44.8899, 0.3184, 0.4337



19.2907, 0.2969, 0.3349



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.6480, 0.2703, 0.3478



79.5637, 0.2625, 0.3529



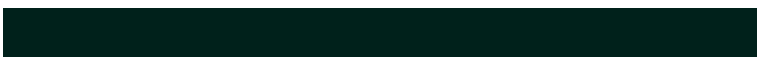
37.5655, 0.2581, 0.2979



11.3953, 0.3008, 0.3333



27.0013, 0.2413, 0.3885



1.1752, 0.2371, 0.3737



# Inverse Universe

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



27.2779, 0.3827, 0.3115



41.5962, 0.4076, 0.3075



32.7121, 0.3887, 0.3578



10.1078, 0.3260, 0.3247



7.6336, 0.6090, 0.3128

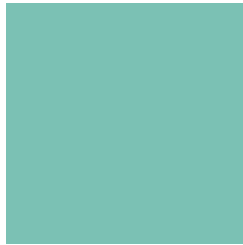


0.3393, 0.5492, 0.2799



# Previews

## White Background



This preview shows how the Yxy color 45.6462, 0.2703, 0.3478 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 45.6462, 0.2703, 0.3478 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

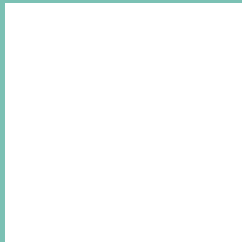
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.6462, 0.2703, 0.3478**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6462, 0.2703, 0.3478.



This preview shows how white text looks on a background with the Yxy color 45.6462, 0.2703, 0.3478.

# 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

45.6462, 0.2703, 0.3478

### Protanopia

45.0097, 0.3229, 0.3369

### Deuteranopia

45.2021, 0.3222, 0.3164



## Tritanopia

45.4701, 0.2581, 0.3067

# Trichromacy



**Original Color**

45.6462, 0.2703, 0.3478

**Protanomaly**

44.6435, 0.3014, 0.3400

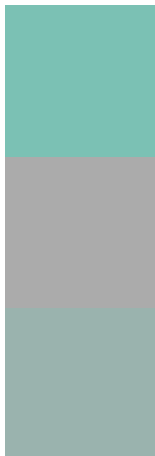
**Deuteranomaly**

44.7915, 0.3003, 0.3263

**Tritanomaly**

45.3245, 0.2625, 0.3204

# Monochromacy



**Original Color**

45.6462, 0.2703, 0.3478

**Achromatopsia**

40.7240, 0.3127, 0.3290

**Achromatomaly**

42.1662, 0.2956, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6462, 0.2703, 0.3478 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(123, 193, 180)` looks like.

```
.text, #text, p{  
    color:rgb(123, 193, 180)  
}
```

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(123, 193, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 193, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6462, 0.2703, 0.3478 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(123, 193, 180) }
```

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

```
.border{ border-color:rgb(123, 193, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 193, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 193, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 193, 180);  
box-shadow:4px 4px 4px 4px rgb(123, 193,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6462, 0.2703, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 193, 180) }
```

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

```
.background{ background-color: rgb(123,  
193, 180) }
```

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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