

# Converting Colors

$Yxy(45.6362, 0.2746, 0.3603)$

Have a look what the booklet for  
Yxy(45.6362, 0.2746, 0.3603)  
contains.

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# Color

**Yxy(45.6997, 0.2749, 0.3613)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AC2AC
RGB	122, 194, 172
RGB Percent	48%, 76%, 67%
CMY	0.5213, 0.2392, 0.3255
CMYK	0.37, 0.00, 0.11, 0.24
HSL	162°, 37%, 62%
HSV	162°, 37%, 76%
XYZ	34.7712, 45.6997, 46.0159
YIQ	169.9640, -35.8500, -22.1060

# Conversions

## Conversions Part 2

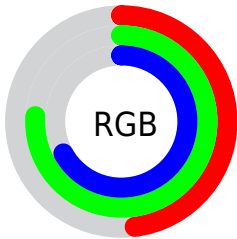
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 164, 194
Decimal	8045228
CIE <sub>Lab</sub>	73.35, -27.53, 3.96
CIE <sub>LCh</sub>	73, 27.815, 171.806
Yxy	45.6997, 0.2749, 0.3613
Android (android.graphics.Color)	4286235308 (0xFF7AC2AC)
YUV	169.9640, 1.0037, -42.0644
Hunter-Lab	67.6016, -26.4902, 6.9628

# Details

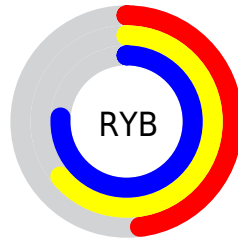
The Yxy color  $45.6997, 0.2749, 0.3613$  is a light color, and the websafe version is hex `66CCCC`. A complement of this color would be  $27.4208, 0.3741, 0.2994$ , and the grayscale version is  $40.1962, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.8875, 0.2821, 0.3558$ , and  $21.3774, 0.2639, 0.3705$  is the 20% darker color. If you saturate the color by 10%, you get  $44.2001, 0.2669, 0.3717$ , and if you desaturate by 10%, it is  $47.4959, 0.2841, 0.3515$ .

# Distribution



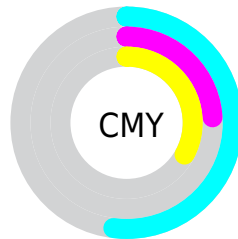
- Red (48%)
- Green (76%)
- Blue (67%)



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



- Cyan (37%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)




- Cyan (52%)
- Magenta (24%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6997, 0.2749, 0.3613 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 45.6997, 0.2749, 0.3613 by changing the saturation by 10% instead.





 45.6997, 0.2749,  
0.3613

 45.6997, 0.2749,  
0.3613


369.6000, 0.2940,  
0.3448


 32.0089, 0.2701,  
0.3655


 83.7694, 0.2819,  
0.3552

 21.3683, 0.2639,  
0.3710


 108.9171, 0.2845,  
0.3530

 13.3935, 0.2556,  
0.3784


 138.6525, 0.2867,  
0.3511

 7.7001, 0.2439,  
0.3890

173.3602, 0.2885,  
0.3495

 3.9036, 0.2264,  
0.4053

213.4243, 0.2902,  
0.3481

 1.6198, 0.1963,  
0.4339

259.2294, 0.2916,

 0.3709, 0.0000,

0.3469

0.7454

311.1599, 0.2929,  
0.3458

0.0000, 0.0000,  
0.0000

45.6997, 0.2749,  
0.3613

45.6997, 0.2749,  
0.3613

44.2001, 0.2669,  
0.3717

47.4959, 0.2841,  
0.3515

42.9744, 0.2604,  
0.3827

49.5988, 0.2942,  
0.3425

42.0058, 0.2556,  
0.3941


52.0248, 0.3049,  
0.3343

41.2729, 0.2528,  
0.4057


54.7873, 0.3160,  
0.3269

40.7509, 0.2519,  
0.4173


57.8992, 0.3272,  
0.3203


 40.4059, 0.2529,  
0.4288

 61.3726, 0.3383,  
0.3144

 40.3201, 0.2534,  
0.4322

 64.6712, 0.3470,  
0.3091

 64.9790, 0.3423,  
0.3031

 65.2980, 0.3376,  
0.2972

# Harmonies

## Analogous

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



45.6997, 0.3115, 0.3905



45.6997, 0.2749, 0.3613



45.6997, 0.2494, 0.3231

# Triad

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



45.6997, 0.2749, 0.3613



45.6997, 0.2735, 0.2658



45.6997, 0.3910, 0.3608

# Complementary

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



45.6997, 0.2749, 0.3613



27.4208, 0.3741, 0.2994

# 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.



45.6997, 0.3800, 0.3291



45.6997, 0.2749, 0.3613



45.6997, 0.3101, 0.2764

# Square

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



45.6997, 0.2749, 0.3613



45.6997, 0.2487, 0.2699



45.6997, 0.3496, 0.2990



45.6997, 0.3794, 0.3871



# Rectangle

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



45.6997, 0.2749, 0.3613



45.6997, 0.2413, 0.2997



45.6997, 0.3496, 0.2990



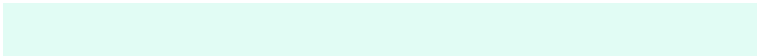
45.6997, 0.3898, 0.3504

# Sweetspot

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



45.7015, 0.2749, 0.3613



92.3891, 0.3005, 0.3376



45.9930, 0.3252, 0.4341



20.0987, 0.2990, 0.3387



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

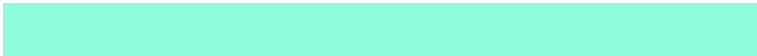


# Same Dimension

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



45.7015, 0.2749, 0.3613



80.6863, 0.2687, 0.3692



41.0069, 0.2587, 0.3097



11.3743, 0.3024, 0.3361



26.5267, 0.2530, 0.4307



1.1580, 0.2459, 0.4051



# Inverse Universe

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



27.4208, 0.3741, 0.2994



43.0478, 0.3930, 0.2934



30.2752, 0.3952, 0.3472



10.1275, 0.3242, 0.3220



7.7636, 0.5716, 0.2922

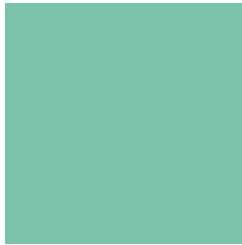


0.3480, 0.5064, 0.2563



# Previews

## White Background



This preview shows how the Yxy color 45.6997, 0.2749, 0.3613 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 45.6997, 0.2749, 0.3613 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

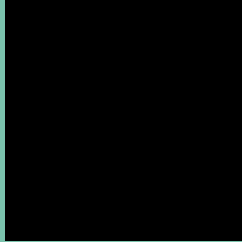
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6997, 0.2749, 0.3613**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6997, 0.2749, 0.3613.



This preview shows how white text looks on a background with the Yxy color 45.6997, 0.2749, 0.3613.

# 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

45.6997, 0.2749, 0.3613

### Protanopia

45.3596, 0.3312, 0.3488

### Deuteranopia

45.0275, 0.3328, 0.3253



## Tritanopia

45.5488, 0.2587, 0.3067

# Trichromacy



## Original Color

45.6997, 0.2749, 0.3613

## Protanomaly

44.8575, 0.3083, 0.3526

## Deuteranomaly

44.6889, 0.3081, 0.3371

## Tritanomaly

45.6239, 0.2645, 0.3260

# Monochromacy



## Original Color

45.6997, 0.2749, 0.3613

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

41.9528, 0.2970, 0.3404

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  45.6997, 0.2749, 0.3613 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(122, 194, 172)` looks like.

```
.text, #text, p{  
    color:rgb(122, 194, 172)  
}
```

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(122, 194, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 194, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6997, 0.2749, 0.3613 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(122, 194, 172) }
```

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

```
.border{ border-color:rgb(122, 194, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 194, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 194, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 194, 172);  
box-shadow:4px 4px 4px 4px rgb(122, 194,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6997, 0.2749, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 194, 172) }
```

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

```
.background{ background-color: rgb(122,  
194, 172) }
```

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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