

Converting Colors

$Yxy(45.5666, 0.2795, 0.3684)$

Have a look what the booklet for
Yxy(45.5666, 0.2795, 0.3684)
contains.

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Color

Yxy(45.6587, 0.2793, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	7CC2A7
RGB	124, 194, 167
RGB Percent	49%, 76%, 65%
CMY	0.5138, 0.2392, 0.3450
CMYK	0.36, 0.00, 0.14, 0.24
HSL	157°, 36%, 62%
HSV	157°, 36%, 76%
XYZ	34.5783, 45.6587, 43.5664
YIQ	169.9920, -33.0530, -23.2370

Conversions

Conversions Part 2

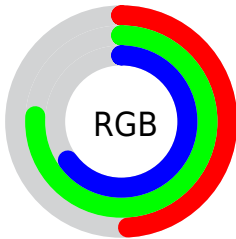
Format	Color
RYB	124, 167, 194
Decimal	8176295
CIELab	73.32, -28.08, 6.63
CIElCh	73, 28.850, 166.714
Yxy	45.6587, 0.2793, 0.3688
Android (android.graphics.Color)	4286366375 (0xFF7CC2A7)
YUV	169.9920, -1.4751, -40.3350
Hunter-Lab	67.5712, -26.9056, 9.0727

Details

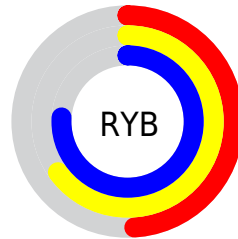
The Yxy color **45.6587, 0.2793, 0.3688** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.1108, 0.3650, 0.2929**, and the grayscale version is **40.2130, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8520, 0.2858, 0.3615**, and **21.3336, 0.2694, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **44.0864, 0.2719, 0.3821**, and if you desaturate by 10%, it is **47.5350, 0.2877, 0.3564**.

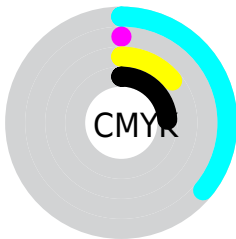
Distribution



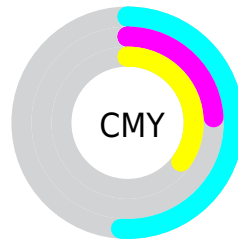
- Red (49%)
- Green (76%)
- Blue (65%)



- Red (49%)
- Yellow (65%)
- Blue (76%)



- Cyan (36%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)




- Cyan (51%)
- Magenta (24%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.6587, 0.2793, 0.3688 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 45.6587, 0.2793, 0.3688 by changing the saturation by 10% instead.


 45.6587, 0.2793,
0.3688


 45.6587, 0.2793,
0.3688

369.4348, 0.2963,
0.3483

 31.9766, 0.2750,
0.3741


 83.7080, 0.2855,
0.3612

 21.3436, 0.2694,
0.3810


 108.8439, 0.2879,
0.3584

 13.3754, 0.2618,
0.3905


 138.5666, 0.2898,
0.3561

 7.6876, 0.2511,
0.4041

173.2604, 0.2915,
0.3541

 3.8957, 0.2347,
0.4252

213.3097, 0.2929,
0.3523

 1.6154, 0.2056,
0.4634

259.0990, 0.2942,

 0.3679, 0.0000,

0.3508

1.0000

311.0125, 0.2953,
0.3495

0.0000, 0.0000,
0.0000

45.6587, 0.2793,
0.3688

45.6587, 0.2793,
0.3688

44.0864, 0.2719,
0.3821

47.5350, 0.2877,
0.3564

42.7956, 0.2660,
0.3962

49.7253, 0.2970,
0.3451

41.7692, 0.2617,
0.4108

52.2461, 0.3067,
0.3348


40.9862, 0.2593,
0.4257


55.1110, 0.3166,
0.3255

40.4220, 0.2589,
0.4407


58.3328, 0.3266,
0.3173

 40.0454, 0.2605,
0.4553

 61.9238, 0.3365,
0.3100

 39.9253, 0.2614,
0.4609

 64.9783, 0.3424,
0.3033

 65.3815, 0.3365,
0.2959

 65.8026, 0.3308,
0.2886

Harmonies

Analogous

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



45.6587, 0.3182, 0.3962



45.6587, 0.2793, 0.3688



45.6587, 0.2505, 0.3295

Triad

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



45.6587, 0.2793, 0.3688



45.6587, 0.2667, 0.2632



45.6587, 0.3937, 0.3564

Complementary

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



45.6587, 0.2793, 0.3688



28.1108, 0.3650, 0.2929

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.



45.6587, 0.3784, 0.3234



45.6587, 0.2793, 0.3688



45.6587, 0.3030, 0.2718

Square

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



45.6587, 0.2793, 0.3688



45.6587, 0.2437, 0.2701



45.6587, 0.3443, 0.2933



45.6587, 0.3854, 0.3853

Rectangle

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



45.6587, 0.2793, 0.3688



45.6587, 0.2402, 0.3043



45.6587, 0.3443, 0.2933



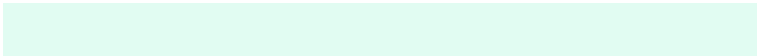
45.6587, 0.3911, 0.3455

Sweetspot

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



45.6606, 0.2793, 0.3688



92.2562, 0.3017, 0.3399



46.7147, 0.3298, 0.4295



20.0662, 0.3003, 0.3413



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.



45.6606, 0.2793, 0.3688



80.5092, 0.2736, 0.3788



43.7200, 0.2612, 0.3188



11.3606, 0.3034, 0.3380



26.2643, 0.2608, 0.4590



1.1479, 0.2518, 0.4265

Inverse Universe

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



28.1108, 0.3650, 0.2929



44.2272, 0.3812, 0.2853



29.1505, 0.3951, 0.3388



10.1407, 0.3230, 0.3202



7.8871, 0.5413, 0.2755



0.3543, 0.4811, 0.2424

Previews

White Background



This preview shows how the Yxy color 45.6587, 0.2793, 0.3688 looks on a white background.

Color Contrast Check

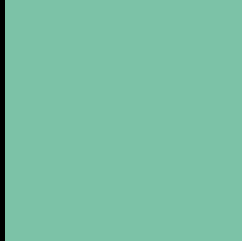
Large Text (above 18pt) WCAG AA × Fail

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 45.6587, 0.2793, 0.3688 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 45.6587, 0.2793, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 45.6587, 0.2793, 0.3688.



This preview shows how white text looks on a background with the Yxy color 45.6587, 0.2793, 0.3688.

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

45.6587, 0.2793, 0.3688

Protanopia

45.3082, 0.3363, 0.3555

Deuteranopia

44.9695, 0.3381, 0.3316



Tritanopia

45.6604, 0.2606, 0.3081

Trichromacy



Original Color

45.6587, 0.2793, 0.3688

Protanomaly

44.7821, 0.3130, 0.3596

Deuteranomaly

44.7207, 0.3137, 0.3439

Tritanomaly

45.6903, 0.2669, 0.3289

Monochromacy



Original Color

45.6587, 0.2793, 0.3688

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

41.8771, 0.2985, 0.3433

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.6587, 0.2793, 0.3688 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(124, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(124, 194, 167)  
}
```

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(124, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 194, 167) }
```

Border

The CSS property to change the border of an element to Yxy 45.6587, 0.2793, 0.3688 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(124, 194, 167) }
```

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

```
.border{ border-color:rgb(124, 194, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 194, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 194, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 194, 167); box-shadow:4px 4px 4px 4px rgb(124, 194, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 45.6587, 0.2793, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 194, 167) }
```

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

```
.background{ background-color: rgb(124,  
194, 167) }
```

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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