

Converting Colors

$Yxy(50.5162, 0.2746, 0.3693)$

Have a look what the booklet for
Yxy(50.5162, 0.2746, 0.3693)
contains.

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Color

Yxy(50.5313, 0.2745, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	7BCCB0
RGB	123, 204, 176
RGB Percent	48%, 80%, 69%
CMY	0.5175, 0.2000, 0.3098
CMYK	0.40, 0.00, 0.14, 0.20
HSL	159°, 44%, 64%
HSV	159°, 40%, 80%
XYZ	37.6005, 50.5313, 48.8465
YIQ	176.5890, -39.2880, -25.8800

Conversions

Conversions Part 2

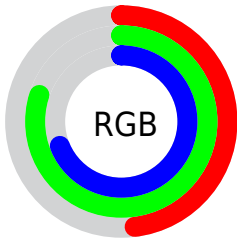
Format	Color
RYB	123, 172, 204
Decimal	8113328
CIELab	76.39, -31.20, 6.20
CIElCh	76, 31.813, 168.769
Yxy	50.5313, 0.2745, 0.3689
Android (android.graphics.Color)	4286303408 (0xFF7BCCB0)
YUV	176.5890, -0.2904, -46.9976
Hunter-Lab	71.0854, -29.9820, 9.0185

Details

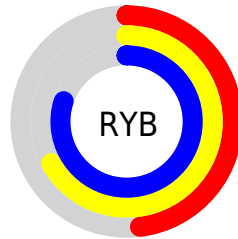
The Yxy color **50.5313, 0.2745, 0.3689** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.2455, 0.3766, 0.2931**, and the grayscale version is **43.7609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.9299, 0.2809, 0.3543**, and **24.2153, 0.2635, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **48.9099, 0.2672, 0.3811**, and if you desaturate by 10%, it is **52.4848, 0.2830, 0.3575**.

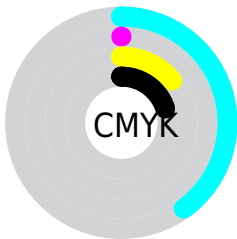
Distribution



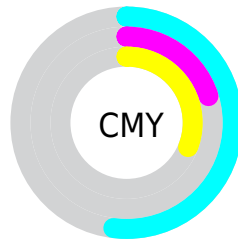
- Red (48%)
- Green (80%)
- Blue (69%)



- Red (48%)
- Yellow (67%)
- Blue (80%)



- Cyan (40%)
- Magenta (0%)
- Yellow (14%)
- Black (20%)





- Cyan (52%)
- Magenta (20%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.5313, 0.2745, 0.3689 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 50.5313, 0.2745, 0.3689 by changing the saturation by 10% instead.

 50.5313, 0.2745,
0.3689

 50.5313, 0.2745,
0.3689


388.7400, 0.2935,
0.3487

 35.8357, 0.2698,
0.3740


 90.9616, 0.2814,
0.3615

 24.3074, 0.2637,
0.3806


 117.4651, 0.2840,
0.3588

 15.5618, 0.2557,
0.3894


 148.6734, 0.2862,
0.3564

 9.2146, 0.2445,
0.4019

184.9708, 0.2881,
0.3545

 4.8814, 0.2280,
0.4207

226.7418, 0.2897,
0.3527

 2.1779, 0.2014,
0.4524

274.3707, 0.2912,

 0.7079, 0.0000,

0.3512

0.6771

328.2420, 0.2924,
0.3499

0.0000, 0.0000,
0.0000

50.5313, 0.2745,
0.3689

50.5313, 0.2745,
0.3689

48.9099, 0.2672,
0.3811

52.4848, 0.2830,
0.3575

47.5946, 0.2615,
0.3938

54.7824, 0.2925,
0.3470

46.5654, 0.2576,
0.4070


57.4429, 0.3026,
0.3374

45.7973, 0.2556,
0.4203


60.4820, 0.3130,
0.3287


45.2605, 0.2557,
0.4336

63.9144, 0.3237,
0.3210

 44.9020, 0.2575,
0.4467

 67.7542, 0.3343,
0.3141

 44.8919, 0.2575,
0.4471

 69.9025, 0.3364,
0.3075

 70.2964, 0.3312,
0.3005

 70.7063, 0.3260,
0.2937

Harmonies

Analogous

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



50.5313, 0.3154, 0.3996



50.5313, 0.2745, 0.3689



50.5313, 0.2451, 0.3265

Triad

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



50.5313, 0.2745, 0.3689



50.5313, 0.2660, 0.2593



50.5313, 0.3992, 0.3601

Complementary

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



50.5313, 0.2745, 0.3689



29.2455, 0.3766, 0.2931

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.



50.5313, 0.3847, 0.3252



50.5313, 0.2745, 0.3689



50.5313, 0.3052, 0.2695

Square

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



50.5313, 0.2745, 0.3689



50.5313, 0.2406, 0.2653



50.5313, 0.3492, 0.2930



50.5313, 0.3886, 0.3904

Rectangle

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



50.5313, 0.2745, 0.3689



50.5313, 0.2350, 0.2999



50.5313, 0.3492, 0.2930



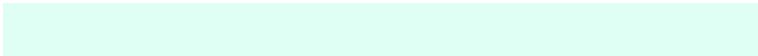
50.5313, 0.3972, 0.3486

Sweetspot

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



50.5333, 0.2745, 0.3689



93.9885, 0.3000, 0.3397



51.2310, 0.3280, 0.4422



19.9894, 0.2987, 0.3409



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.



50.5333, 0.2745, 0.3689



81.2618, 0.2679, 0.3797



46.2079, 0.2558, 0.3119



12.6586, 0.3029, 0.3371



28.2737, 0.2570, 0.4452



1.4726, 0.2499, 0.4197

Inverse Universe

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



29.2455, 0.3766, 0.2931



41.0178, 0.3987, 0.2854



31.6447, 0.4053, 0.3451



11.2766, 0.3237, 0.3210



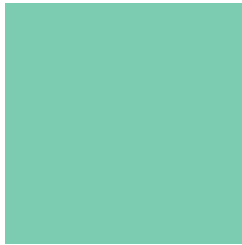
8.3785, 0.5573, 0.2844



0.4465, 0.5023, 0.2541

Previews

White Background



This preview shows how the Yxy color 50.5313, 0.2745, 0.3689 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 50.5313, 0.2745, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

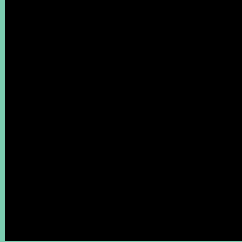
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

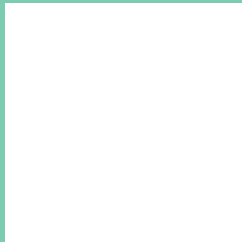
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.5313, 0.2745, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 50.5313, 0.2745, 0.3689.

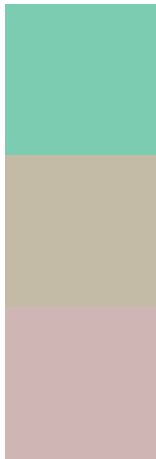


This preview shows how white text looks on a background with the Yxy color 50.5313, 0.2745, 0.3689.

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

50.5313, 0.2745, 0.3689

Protanopia

50.0664, 0.3362, 0.3543

Deuteranopia

49.7938, 0.3362, 0.3291



Tritanopia

50.6587, 0.2562, 0.3076

Trichromacy



Original Color

50.5313, 0.2745, 0.3689

Protanomaly

49.4772, 0.3105, 0.3598

Deuteranomaly

48.9970, 0.3105, 0.3421

Tritanomaly

50.6575, 0.2628, 0.3289

Monochromacy



Original Color

50.5313, 0.2745, 0.3689

Achromatopsia

43.9657, 0.3127, 0.3290

Achromatomaly

45.8831, 0.2959, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.5313, 0.2745, 0.3689 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, 204, 176)` looks like.

```
.text, #text, p{  
    color:rgb(123, 204, 176)  
}
```

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, 204, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 204, 176) }
```

Border

The CSS property to change the border of an element to Yxy 50.5313, 0.2745, 0.3689 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, 204, 176) }
```

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

```
.border{ border-color:rgb(123, 204, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 204, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 204, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 204, 176);  
box-shadow:4px 4px 4px 4px rgb(123, 204,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 50.5313, 0.2745, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 204, 176) }
```

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

```
.background{ background-color: rgb(123,  
204, 176) }
```

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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