

# Converting Colors

$Y_{xy}(52.8491, 0.2709, 0.3741)$

Have a look what the booklet for  
Yxy(52.8491, 0.2709, 0.3741)  
contains.

<b>Yxy(53.0894, 0.2708, 0.3743)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(53.0894, 0.2708, 0.3743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75D2B2
RGB	117, 210, 178
RGB Percent	46%, 82%, 70%
CMY	0.5415, 0.1764, 0.3020
CMYK	0.44, 0.00, 0.15, 0.18
HSL	159°, 51%, 64%
HSV	159°, 44%, 82%
XYZ	38.4093, 53.0894, 50.3378
YIQ	178.5450, -45.1560, -29.6680

# Conversions

## Conversions Part 2

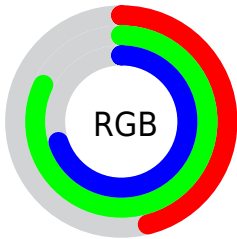
<b>Format</b>	<b>Color</b>
<b>RYB</b>	117, 173, 210
Decimal	7721650
CIELab	77.93, -35.20, 7.30
CIELCh	78, 35.949, 168.288
Yxy	53.0894, 0.2708, 0.3743
Android (android.graphics.Color)	4285911730 (0xFF75D2B2)
YUV	178.5450, -0.2687, -53.9750
Hunter-Lab	72.8625, -33.4134, 10.0426

# Details

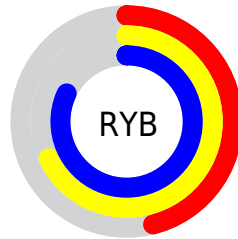
The Yxy color **53.0894, 0.2708, 0.3743** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **28.5753, 0.3881, 0.2891**, and the grayscale version is **44.8346, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.3447, 0.2768, 0.3523**, and **25.8840, 0.2593, 0.3883** is the 20% darker color. If you saturate the color by 10%, you get **51.5150, 0.2642, 0.3867**, and if you desaturate by 10%, it is **55.0096, 0.2788, 0.3626**.

# Distribution



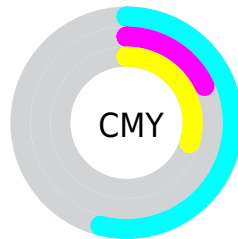
- Red (46%)
- Green (82%)
- Blue (70%)



- Red (46%)
- Yellow (68%)
- Blue (82%)



- Cyan (44%)
- Magenta (0%)
- Yellow (15%)
- Black (18%)




- Cyan (54%)
- Magenta (18%)
- Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0894, 0.2708, 0.3743 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 53.0894, 0.2708, 0.3743 by changing the saturation by 10% instead.




 53.0894, 0.2708,  
0.3743


 53.0894, 0.2708,  
0.3743


398.6280, 0.2916,  
0.3515

 37.8741, 0.2657,  
0.3800

 94.7359, 0.2783,  
0.3660

 25.8850, 0.2592,  
0.3874


 121.9359, 0.2811,  
0.3629

 16.7376, 0.2506,  
0.3972


 153.8997, 0.2835,  
0.3603

 10.0476, 0.2387,  
0.4110

191.0116, 0.2856,  
0.3580

 5.4305, 0.2214,  
0.4317

233.6559, 0.2874,  
0.3561

 2.5020, 0.1939,  
0.4660

282.2172, 0.2889,

 0.8777, 0.0000,

0.3544

0.6633

337.0798, 0.2903,  
0.3529

0.0000, 0.0000,  
0.0000

53.0894, 0.2708,  
0.3743

53.0894, 0.2708,  
0.3743

51.5150, 0.2642,  
0.3867

55.0096, 0.2788,  
0.3626

50.2576, 0.2593,  
0.3997

57.2894, 0.2879,  
0.3517

49.2943, 0.2563,  
0.4129


59.9497, 0.2978,  
0.3417

48.5962, 0.2553,  
0.4262


63.0078, 0.3081,  
0.3326


48.1280, 0.2563,  
0.4393

66.4799, 0.3188,  
0.3245

 47.9298, 0.2574,  
0.4467

 70.3814, 0.3294,  
0.3173

 72.9939, 0.3333,  
0.3104

 73.4049, 0.3281,  
0.3033

 73.8329, 0.3230,  
0.2964

# Harmonies

## Analogous

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



53.0894, 0.3161, 0.4085



53.0894, 0.2708, 0.3743



53.0894, 0.2383, 0.3265

# Triad

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



53.0894, 0.2708, 0.3743



53.0894, 0.2603, 0.2522



53.0894, 0.4089, 0.3621

# Complementary

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



53.0894, 0.2708, 0.3743



28.5753, 0.3881, 0.2891

# 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.



53.0894, 0.3923, 0.3238



53.0894, 0.2708, 0.3743



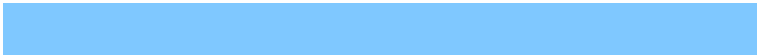
53.0894, 0.3034, 0.2633

# Square

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



53.0894, 0.2708, 0.3743



53.0894, 0.2329, 0.2588



53.0894, 0.3524, 0.2887



53.0894, 0.3972, 0.3961



# Rectangle

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



53.0894, 0.2708, 0.3743



53.0894, 0.2272, 0.2969



53.0894, 0.3524, 0.2887



53.0894, 0.4065, 0.3494

# Sweetspot

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



53.0915, 0.2708, 0.3743



93.5331, 0.2990, 0.3406



53.8206, 0.3291, 0.4572



19.8080, 0.2967, 0.3427



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.



53.0915, 0.2708, 0.3743



80.0817, 0.2646, 0.3858



47.9332, 0.2500, 0.3096



13.3351, 0.3028, 0.3371



29.2509, 0.2569, 0.4447



1.6501, 0.2502, 0.4209



# Inverse Universe

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



28.5753, 0.3881, 0.2891



37.4225, 0.4129, 0.2817



31.1874, 0.4214, 0.3469



11.8744, 0.3237, 0.3210



8.6622, 0.5583, 0.2849

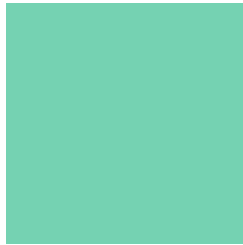


0.4991, 0.5066, 0.2565



# Previews

## White Background



This preview shows how the Yxy color 53.0894, 0.2708, 0.3743 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 53.0894, 0.2708, 0.3743 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

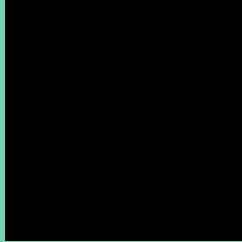
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

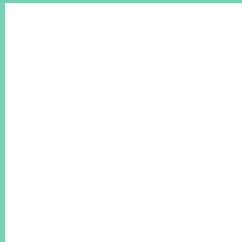
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.0894, 0.2708, 0.3743**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0894, 0.2708, 0.3743.

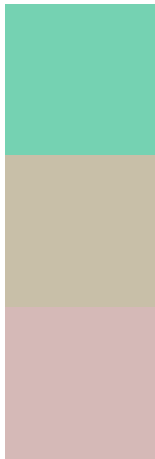


This preview shows how white text looks on a background with the Yxy color 53.0894, 0.2708, 0.3743.

# 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

53.0894, 0.2708, 0.3743

### Protanopia

52.3681, 0.3382, 0.3576

### Deuteranopia

52.2630, 0.3383, 0.3315



## Tritanopia

52.9422, 0.2524, 0.3078

# Trichromacy



## Original Color

53.0894, 0.2708, 0.3743



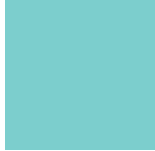
## Protanomaly

51.9128, 0.3095, 0.3634



## Deuteranomaly

51.3847, 0.3095, 0.3458



## Tritanomaly

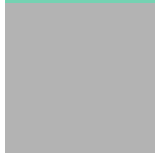
52.8355, 0.2587, 0.3302

# Monochromacy



## Original Color

53.0894, 0.2708, 0.3743



## Achromatopsia

45.0786, 0.3127, 0.3290



## Achromatomaly

47.1495, 0.2938, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0894, 0.2708, 0.3743 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(117, 210, 178)` looks like.

```
.text, #text, p{  
    color:rgb(117, 210, 178)  
}
```

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(117, 210, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 210, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0894, 0.2708, 0.3743 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(117, 210, 178) }
```

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

```
.border{ border-color:rgb(117, 210, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 210, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 210, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 210, 178); box-shadow:4px 4px 4px 4px rgb(117, 210, 178) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0894, 0.2708, 0.3743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 210, 178) }
```

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

```
.background{ background-color: rgb(117,  
210, 178) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor