

# Converting Colors

$Yxy(52.7146, 0.2801, 0.3947)$

Have a look what the booklet for  
Yxy(52.7146, 0.2801, 0.3947)  
contains.

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# Color

**$\text{Yxy}(52.6955, 0.2801, 0.3951)$**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 77D2A4                       |
| RGB         | 119, 210, 164                |
| RGB Percent | 47%, 82%, 64%                |
| CMY         | 0.5332, 0.1765, 0.3569       |
| CMYK        | 0.43, 0.00, 0.22, 0.18       |
| HSL         | 150°, 50%, 65%               |
| HSV         | 150°, 43%, 82%               |
| XYZ         | 37.3577, 52.6955, 43.3194    |
| YIQ         | 177.5470, -39.4700, -33.5980 |

# Conversions

## Conversions Part 2

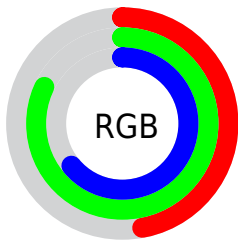
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 119, 180, 210                  |
| Decimal                             | 7852708                        |
| CIELab                              | 77.69, -37.60, 14.45           |
| CIELCh                              | 78, 40.281, 158.984            |
| Yxy                                 | 52.6955, 0.2801,<br>0.3951     |
| Android<br>(android.graphics.Color) | 4286042788<br>(0xFF77D2A4)     |
| YUV                                 | 177.5470, -6.6787,<br>-51.3457 |
| Hunter-Lab                          | 72.5917, -35.1744,<br>15.4326  |

# Details

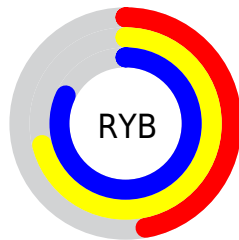
The Yxy color **52.6955, 0.2801, 0.3951** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **29.6214, 0.3673, 0.2722**, and the grayscale version is **44.3252, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7484, 0.2854, 0.3695**, and **25.6693, 0.2703, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **51.0040, 0.2748, 0.4139**, and if you desaturate by 10%, it is **54.7516, 0.2866, 0.3775**.

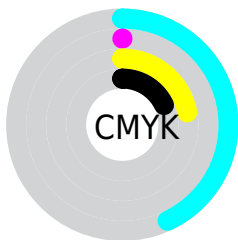
# Distribution



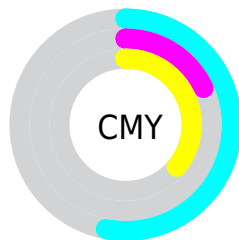
- Red (47%)
- Green (82%)
- Blue (64%)



- Red (47%)
- Yellow (71%)
- Blue (82%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)



- Cyan (53%)
- Magenta (18%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6955, 0.2801, 0.3951 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 52.6955, 0.2801, 0.3951 by changing the saturation by 10% instead.




 52.6955, 0.2801,  
0.3951


 52.6955, 0.2801,  
0.3951


397.1158, 0.2968,  
0.3613


 37.5597, 0.2758,  
0.4038


 94.1561, 0.2862,  
0.3826

 25.6412, 0.2703,  
0.4150


 121.2498, 0.2885,  
0.3780

 16.5554, 0.2629,  
0.4303


 153.0983, 0.2904,  
0.3741

 9.9180, 0.2523,  
0.4519

190.0859, 0.2921,  
0.3708

 5.3446, 0.2363,  
0.4849

232.5970, 0.2935,  
0.3679

 2.4509, 0.2093,  
0.5409

281.0161, 0.2947,

 0.8519, 0.0000,

0.3654

1.0000

335.7276, 0.2958,  
0.3632

0.0000, 0.0000,  
0.0000

52.6955, 0.2801,  
0.3951

52.6955, 0.2801,  
0.3951

51.0040, 0.2748,  
0.4139

54.7516, 0.2866,  
0.3775

49.6481, 0.2711,  
0.4335

57.1865, 0.2939,  
0.3612

48.6045, 0.2692,  
0.4534

60.0214, 0.3018,  
0.3464

47.8442, 0.2692,  
0.4731

63.2740, 0.3100,  
0.3331


47.3321, 0.2712,  
0.4921

66.9608, 0.3182,  
0.3213

 47.0885, 0.2734,  
0.5041

 71.0977, 0.3265,  
0.3108

 73.5464, 0.3263,  
0.3009

 74.1905, 0.3189,  
0.2907

 74.5733, 0.3148,  
0.2851

# Harmonies

## Analogous

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



52.6955, 0.3326, 0.4250



52.6955, 0.2801, 0.3951



52.6955, 0.2387, 0.3428

# Triad

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



52.6955, 0.2801, 0.3951



52.6955, 0.2426, 0.2437



52.6955, 0.4185, 0.3519

# Complementary

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



52.6955, 0.2801, 0.3951



29.6214, 0.3673, 0.2722

# 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.



52.6955, 0.3905, 0.3099



52.6955, 0.2801, 0.3951



52.6955, 0.2857, 0.2504

# Square

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



52.6955, 0.2801, 0.3951



52.6955, 0.2189, 0.2569



52.6955, 0.3402, 0.2740



52.6955, 0.4145, 0.3925



# Rectangle

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



52.6955, 0.2801, 0.3951



52.6955, 0.2220, 0.3071



52.6955, 0.3402, 0.2740



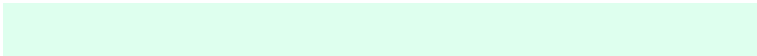
52.6955, 0.4125, 0.3377

# Sweetspot

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



52.6976, 0.2801, 0.3951



93.2127, 0.3019, 0.3461



55.5366, 0.3407, 0.4493



19.7289, 0.3001, 0.3493



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

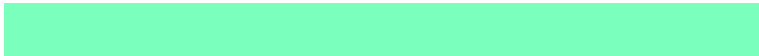


# Same Dimension

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



52.6976, 0.2801, 0.3951



79.3148, 0.2752, 0.4125



54.5956, 0.2552, 0.3309



13.3023, 0.3050, 0.3410



28.7435, 0.2726, 0.5015



1.6232, 0.2632, 0.4676



# Inverse Universe

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



29.6214, 0.3673, 0.2722



38.9719, 0.3849, 0.2609



28.2727, 0.4239, 0.3274



11.9066, 0.3212, 0.3173



9.0156, 0.4920, 0.2484

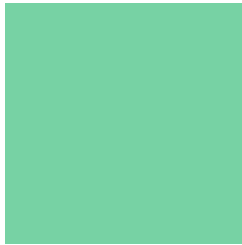


0.5201, 0.4523, 0.2265



# Previews

## White Background



This preview shows how the Yxy color 52.6955, 0.2801, 0.3951 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 52.6955, 0.2801, 0.3951 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

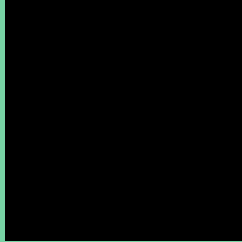
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6955, 0.2801, 0.3951**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6955, 0.2801, 0.3951.

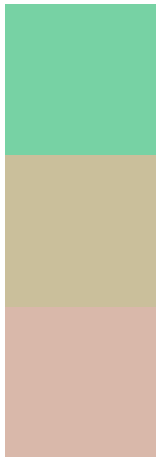


This preview shows how white text looks on a background with the Yxy color 52.6955, 0.2801, 0.3951.

# 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

52.6955, 0.2801, 0.3951

### Protanopia

52.1847, 0.3503, 0.3738

### Deuteranopia

51.9350, 0.3529, 0.3458



## Tritanopia

52.7319, 0.2549, 0.3079

# Trichromacy



## Original Color

52.6955, 0.2801, 0.3951



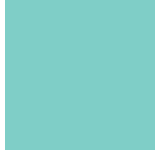
## Protanomaly

51.6274, 0.3212, 0.3823



## Deuteranomaly

50.7908, 0.3218, 0.3616



## Tritanomaly

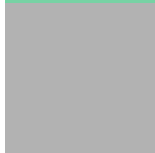
52.7782, 0.2637, 0.3384

# Monochromacy



## Original Color

52.6955, 0.2801, 0.3951



## Achromatopsia

44.5201, 0.3127, 0.3290



## Achromatomaly

47.0121, 0.2988, 0.3525

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6955, 0.2801, 0.3951 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(119, 210, 164)` looks like.

```
.text, #text, p{  
    color:rgb(119, 210, 164)  
}
```

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(119, 210, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 210, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6955, 0.2801, 0.3951 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(119, 210, 164) }
```

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

```
.border{ border-color:rgb(119, 210, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 210, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 210, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 210, 164);  
box-shadow:4px 4px 4px 4px rgb(119, 210,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6955, 0.2801, 0.3951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 210, 164) }
```

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

```
.background{ background-color: rgb(119,  
210, 164) }
```

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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