

# Converting Colors

$Yxy(52.5343, 0.2915, 0.4242)$

Have a look what the booklet for  
Yxy(52.5343, 0.2915, 0.4242)  
contains.

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# Color

**Yxy(52.6259, 0.2920, 0.4250)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78D391
RGB	120, 211, 145
RGB Percent	47%, 83%, 57%
CMY	0.5292, 0.1726, 0.4313
CMYK	0.43, 0.00, 0.31, 0.17
HSL	136°, 51%, 65%
HSV	136°, 43%, 83%
XYZ	36.1571, 52.6259, 35.0427
YIQ	176.2670, -33.0500, -39.8180

# Conversions

## Conversions Part 2

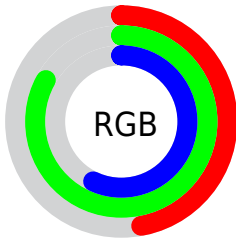
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 191, 211
Decimal	7918481
CIELab	77.65, -41.39, 24.41
CIElCh	78, 48.053, 149.468
Yxy	52.6259, 0.2920, 0.4250
Android (android.graphics.Color)	4286108561 (0xFF78D391)
YUV	176.2670, -15.4146, -49.3462
Hunter-Lab	72.5437, -37.9839, 22.1402

# Details

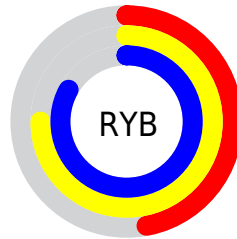
The Yxy color **52.6259, 0.2920, 0.4250** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **30.8424, 0.3438, 0.2498**, and the grayscale version is **43.6657, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.8736, 0.2963, 0.3931**, and **25.6751, 0.2841, 0.4552** is the 20% darker color. If you saturate the color by 10%, you get **50.8402, 0.2886, 0.4523**, and if you desaturate by 10%, it is **54.8121, 0.2962, 0.3991**.

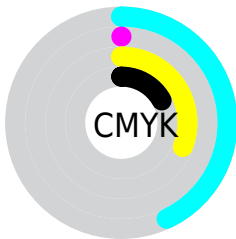
# Distribution



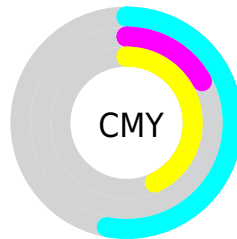
- Red (47%)
- Green (83%)
- Blue (57%)



- Red (47%)
- Yellow (75%)
- Blue (83%)



- Cyan (43%)
- Magenta (0%)
- Yellow (31%)
- Black (17%)




- Cyan (53%)
- Magenta (17%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6259, 0.2920, 0.4250 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 52.6259, 0.2920, 0.4250 by changing the saturation by 10% instead.





 52.6259, 0.2920,  
0.4250


 52.6259, 0.2920,  
0.4250


396.8482, 0.3036,  
0.3752

 37.5042, 0.2887,  
0.4379


 94.0537, 0.2965,  
0.4065

 25.5981, 0.2843,  
0.4548


 121.1285, 0.2981,  
0.3997

 16.5232, 0.2779,  
0.4776


 152.9565, 0.2994,  
0.3940

 9.8952, 0.2683,  
0.5101

189.9222, 0.3005,  
0.3891

 5.3295, 0.2524,  
0.5596

232.4097, 0.3015,  
0.3849

 2.4419, 0.2283,  
0.6581

280.8037, 0.3023,

 0.8473, 0.0000,

0.3813

1.0000

335.4884, 0.3030,  
0.3781

0.0000, 0.0000,  
0.0000

52.6259, 0.2920,  
0.4250

52.6259, 0.2920,  
0.4250

50.8402, 0.2886,  
0.4523

54.8121, 0.2962,  
0.3991

49.4237, 0.2864,  
0.4802

57.4146, 0.3010,  
0.3753

48.3514, 0.2857,  
0.5074


60.4563, 0.3060,  
0.3537


47.5916, 0.2865,  
0.5325

63.9567, 0.3111,  
0.3345

47.1071, 0.2887,  
0.5543

67.9338, 0.3162,  
0.3176

 46.8906, 0.2908,  
0.5669

 72.4048, 0.3211,  
0.3028

 74.8861, 0.3166,  
0.2887

 75.0662, 0.3147,  
0.2861

# Harmonies

## Analogous

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



52.6259, 0.3547, 0.4472



52.6259, 0.2920, 0.4250



52.6259, 0.2381, 0.3663

# Triad

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



52.6259, 0.2920, 0.4250



52.6259, 0.2190, 0.2312



52.6259, 0.4324, 0.3384

# Complementary

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



52.6259, 0.2920, 0.4250



30.8424, 0.3438, 0.2498

# 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.



52.6259, 0.3883, 0.2916



52.6259, 0.2920, 0.4250



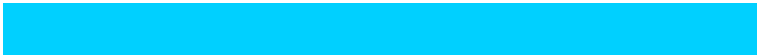
52.6259, 0.2621, 0.2325

# Square

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



52.6259, 0.2920, 0.4250



52.6259, 0.1997, 0.2533



52.6259, 0.3237, 0.2541



52.6259, 0.4391, 0.3874

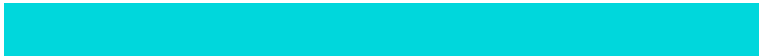


# Rectangle

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



52.6259, 0.2920, 0.4250



52.6259, 0.2138, 0.3214



52.6259, 0.3237, 0.2541



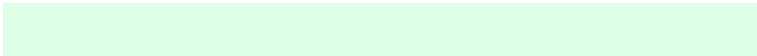
52.6259, 0.4214, 0.3222

# Sweetspot

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



52.6281, 0.2920, 0.4250



92.7923, 0.3060, 0.3538



58.4764, 0.3565, 0.4424



19.6257, 0.3048, 0.3584



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.



52.6281, 0.2920, 0.4250



78.1824, 0.2888, 0.4508



54.2914, 0.2660, 0.3582



13.2588, 0.3079, 0.3463



28.3148, 0.2901, 0.5644



1.5967, 0.2797, 0.5269



# Inverse Universe

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



30.8424, 0.3438, 0.2498



40.3720, 0.3531, 0.2338



29.2266, 0.3978, 0.3027



11.9514, 0.3179, 0.3123



9.7660, 0.4044, 0.2001



0.5591, 0.3857, 0.1898



# Previews

## White Background



This preview shows how the Yxy color 52.6259, 0.2920, 0.4250 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 52.6259, 0.2920, 0.4250 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

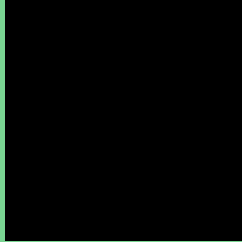
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6259, 0.2920, 0.4250**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6259, 0.2920, 0.4250.

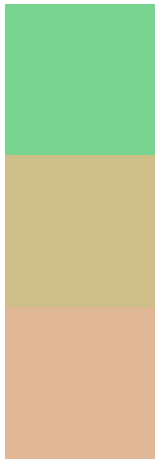


This preview shows how white text looks on a background with the Yxy color 52.6259, 0.2920, 0.4250.

# 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

52.6259, 0.2920, 0.4250

### Protanopia

52.1610, 0.3691, 0.3967

### Deuteranopia

51.7893, 0.3749, 0.3667



## Tritanopia

52.5373, 0.2575, 0.3079

# Trichromacy



## Original Color

52.6259, 0.2920, 0.4250



## Protanomaly

51.3662, 0.3376, 0.4077



## Deuteranomaly

50.7490, 0.3406, 0.3863



## Tritanomaly

52.1701, 0.2699, 0.3482

# Monochromacy



## Original Color

52.6259, 0.2920, 0.4250



## Achromatopsia

43.4154, 0.3127, 0.3290



## Achromatomaly

46.1797, 0.3039, 0.3626

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6259, 0.2920, 0.4250 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(120, 211, 145)` looks like.

```
.text, #text, p{  
    color:rgb(120, 211, 145)  
}
```

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(120, 211, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 211, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6259, 0.2920, 0.4250 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(120, 211, 145) }
```

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

```
.border{ border-color:rgb(120, 211, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 211, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 211, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 211, 145);  
box-shadow:4px 4px 4px 4px rgb(120, 211,  
145) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6259, 0.2920, 0.4250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 211, 145) }
```

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

```
.background{ background-color: rgb(120,  
211, 145) }
```

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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