

# Converting Colors

$Y_{xy}(50.7275, 0.3219, 0.3951)$

Have a look what the booklet for  
Yxy(50.7275, 0.3219, 0.3951)  
contains.

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# Color

**Yxy(50.5895, 0.3214, 0.3945)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A5C696
RGB	165, 198, 150
RGB Percent	65%, 78%, 59%
CMY	0.3529, 0.2235, 0.4119
CMYK	0.17, 0.00, 0.24, 0.22
HSL	101°, 30%, 68%
HSV	101°, 24%, 78%
XYZ	41.2154, 50.5895, 36.4321
YIQ	182.6610, -4.2600, -21.9240

# Conversions

## Conversions Part 2

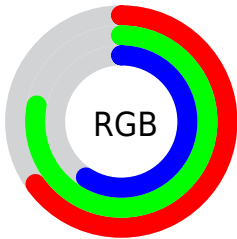
Format	Color
<a href="#">RYB</a>	<a href="#">150, 198, 183</a>
Decimal	<a href="#">10864278</a>
CIELab	<a href="#">76.43, -19.95, 20.51</a>
CIElCh	<a href="#">76, 28.617, 134.205</a>
Yxy	<a href="#">50.5895, 0.3214, 0.3945</a>
Android (android.graphics.Color)	<a href="#">4289054358</a> ( <a href="#">0xFFA5C696</a> )
YUV	<a href="#">182.6610, -16.1019, -15.4887</a>
Hunter-Lab	<a href="#">71.1263, -21.0361, 19.4190</a>

# Details

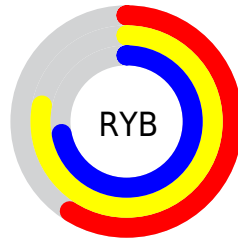
The Yxy color **50.5895, 0.3214, 0.3945** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.9424, 0.3013, 0.2667**, and the grayscale version is **47.2507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.0953, 0.3201, 0.3828**, and **24.3581, 0.3232, 0.4136** is the 20% darker color. If you saturate the color by 10%, you get **48.6251, 0.3243, 0.4254**, and if you desaturate by 10%, it is **52.8211, 0.3180, 0.3657**.

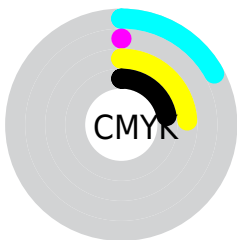
# Distribution



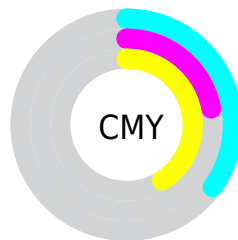
- Red (65%)
- Green (78%)
- Blue (59%)



- Red (59%)
- Yellow (78%)
- Blue (72%)



- Cyan (17%)
- Magenta (0%)
- Yellow (24%)
- Black (22%)




- Cyan (35%)
- Magenta (22%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.5895, 0.3214, 0.3945 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 50.5895, 0.3214, 0.3945 by changing the saturation by 10% instead.




 50.5895, 0.3214,  
0.3945

 50.5895, 0.3214,  
0.3945


388.9668, 0.3177,  
0.3611

 35.8820, 0.3221,  
0.4030


 91.0477, 0.3202,  
0.3822

 24.3431, 0.3228,  
0.4140

 117.5672, 0.3198,  
0.3777

 15.5883, 0.3235,  
0.4289


148.7928, 0.3193,  
0.3738

 9.2333, 0.3240,  
0.4498

185.1090, 0.3189,  
0.3705

 4.8937, 0.3235,  
0.4813

226.9001, 0.3186,  
0.3677

 2.1850, 0.3239,  
0.5409

274.5505, 0.3183,

 0.7118, 0.2102,

0.3652

0.7898

328.4446, 0.3180,  
0.3630

0.0000, 0.0000,  
0.0000

50.5895, 0.3214,  
0.3945

50.5895, 0.3214,  
0.3945

48.6251, 0.3243,  
0.4254

52.8211, 0.3180,  
0.3657

46.9112, 0.3265,  
0.4575

55.3231, 0.3143,  
0.3394

45.4389, 0.3276,  
0.4896

58.1067, 0.3106,  
0.3158

44.1965, 0.3274,  
0.5199

61.1807, 0.3069,  
0.2947

43.1709, 0.3256,  
0.5465

64.5533, 0.3033,  
0.2761

■ 42.3478, 0.3223,  
0.5676

■ 67.3137, 0.3091,  
0.2721

■ 41.7103, 0.3178,  
0.5821

■ 68.8703, 0.3153,  
0.2732

■ 41.4146, 0.3150,  
0.5881

# Harmonies

## Analogous

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



50.5895, 0.3584, 0.3977



50.5895, 0.3214, 0.3945



50.5895, 0.2836, 0.3699

# Triad

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



50.5895, 0.3214, 0.3945



50.5895, 0.2453, 0.2738



50.5895, 0.3735, 0.3211

# Complementary

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



50.5895, 0.3214, 0.3945



35.9424, 0.3013, 0.2667

# 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.



50.5895, 0.3398, 0.2926



50.5895, 0.3214, 0.3945



50.5895, 0.2661, 0.2657

# Square

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



50.5895, 0.3214, 0.3945



50.5895, 0.2412, 0.2974



50.5895, 0.3002, 0.2728



50.5895, 0.3899, 0.3529



# Rectangle

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



50.5895, 0.3214, 0.3945



50.5895, 0.2629, 0.3457



50.5895, 0.3002, 0.2728



50.5895, 0.3637, 0.3109

# Sweetspot

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



50.5917, 0.3214, 0.3945



96.6516, 0.3154, 0.3466



47.9890, 0.3531, 0.3710



20.6281, 0.3156, 0.3482



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

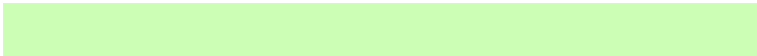


# Same Dimension

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



50.5917, 0.3214, 0.3945



87.7249, 0.3230, 0.4103



49.3666, 0.3034, 0.3840



12.0463, 0.3162, 0.3525



26.9720, 0.3159, 0.5874



1.3160, 0.3325, 0.5742



# Inverse Universe

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



35.9424, 0.3013, 0.2667



57.4176, 0.2983, 0.2526



37.4914, 0.3236, 0.2796



10.6436, 0.3089, 0.3059



6.1025, 0.2438, 0.1117



0.3262, 0.2604, 0.1208



# Previews

## White Background



This preview shows how the Yxy color 50.5895, 0.3214, 0.3945 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 50.5895, 0.3214, 0.3945 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

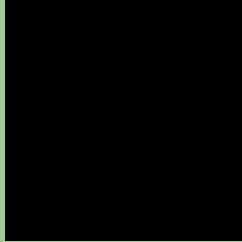
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.5895, 0.3214, 0.3945**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.5895, 0.3214, 0.3945.



This preview shows how white text looks on a background with the Yxy color 50.5895, 0.3214, 0.3945.

# 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

50.5895, 0.3214, 0.3945

### Protanopia

50.4283, 0.3584, 0.3831

### Deuteranopia

50.2863, 0.3685, 0.3614



## Tritanopia

50.7165, 0.2886, 0.3099

# Trichromacy



**Original Color**

50.5895, 0.3214, 0.3945

**Protanomaly**

50.4972, 0.3441, 0.3874

**Deuteranomaly**

49.9827, 0.3504, 0.3720

**Tritanomaly**

50.7867, 0.3004, 0.3394

# Monochromacy



**Original Color**

50.5895, 0.3214, 0.3945

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

48.1368, 0.3158, 0.3516

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.5895, 0.3214, 0.3945 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(165, 198, 150)` looks like.

```
.text, #text, p{  
    color:rgb(165, 198, 150)  
}
```

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(165, 198, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 198, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 50.5895, 0.3214, 0.3945 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(165, 198, 150) }
```

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

```
.border{ border-color:rgb(165, 198, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 198, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 198, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 198, 150);  
box-shadow:4px 4px 4px 4px rgb(165, 198,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.5895, 0.3214, 0.3945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 198, 150) }
```

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

```
.background{ background-color: rgb(165,  
198, 150) }
```

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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