

# Converting Colors

Yxy(54.9284, 0.3293, 0.3503)

Have a look what the booklet for  
Yxy(54.9284, 0.3293, 0.3503)  
contains.

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# Color

**Yxy(54.9736, 0.3295, 0.3511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C8C4B2
RGB	200, 196, 178
RGB Percent	78%, 77%, 70%
CMY	0.2158, 0.2313, 0.3020
CMYK	0.00, 0.02, 0.11, 0.22
HSL	49°, 17%, 74%
HSV	49°, 11%, 78%
XYZ	51.5916, 54.9736, 50.0102
YIQ	195.1440, 8.1620, -4.7500

# Conversions

## Conversions Part 2

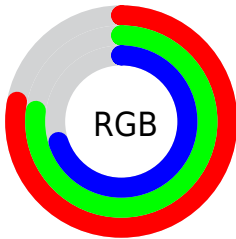
Format	Color
<a href="#">RYB</a>	<a href="#">183, 200, 178</a>
Decimal	<a href="#">13157554</a>
CIELab	<a href="#">79.03, -1.73, 9.53</a>
CIELCh	<a href="#">79, 9.683, 100.290</a>
Yxy	<a href="#">54.9736, 0.3295, 0.3511</a>
Android (android.graphics.Color)	<a href="#">4291347634</a> ( <a href="#">0xFFC8C4B2</a> )
YUV	<a href="#">195.1440, -8.4520, 4.2587</a>
Hunter-Lab	<a href="#">74.1442, -5.5471, 11.9099</a>

# Details

The Yxy color  $54.9736, 0.3295, 0.3511$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $47.0787, 0.2957, 0.3059$ , and the grayscale version is  $54.7111, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $97.4511, 0.3252, 0.3474$ , and  $26.9377, 0.3344, 0.3571$  is the 20% darker color. If you saturate the color by 10%, you get  $52.6195, 0.3458, 0.3720$ , and if you desaturate by 10%, it is  $57.4889, 0.3142, 0.3310$ .

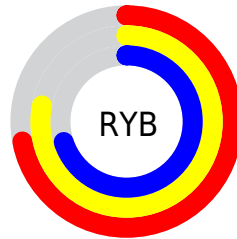
# Distribution



Red (78%)

Green (77%)

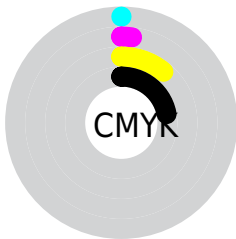
Blue (70%)



Red (72%)

Yellow (78%)

Blue (70%)

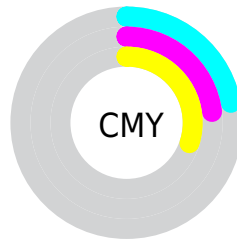


Cyan (0%)

Magenta (2%)

Yellow (11%)

Black (22%)



Cyan (22%)

Magenta (23%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.9736, 0.3295, 0.3511 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 54.9736, 0.3295, 0.3511 by changing the saturation by 10% instead.





 54.9736, 0.3295,  
0.3511

 54.9736, 0.3295,  
0.3511


405.8118, 0.3214,  
0.3403

 39.3806, 0.3315,  
0.3537


 97.5023, 0.3266,  
0.3472

 27.0559, 0.3339,  
0.3570

125.2067, 0.3255,  
0.3458

 17.6152, 0.3372,  
0.3614


157.7171, 0.3245,  
0.3445

 10.6741, 0.3415,  
0.3673

195.4178, 0.3237,  
0.3434

 5.8481, 0.3478,  
0.3759

238.6933, 0.3230,  
0.3425

 2.7530, 0.3574,  
0.3893

287.9278, 0.3224,

 1.0042, 0.3893,

0.3417

0.4300

343.5059, 0.3219,  
0.3410

0.0000, 0.0000,  
0.0000

54.9736, 0.3295,  
0.3511

54.9736, 0.3295,  
0.3511

52.6195, 0.3458,  
0.3720

57.4889, 0.3142,  
0.3310

50.4140, 0.3629,  
0.3930

60.1633, 0.3000,  
0.3118

48.3539, 0.3802,  
0.4134

63.0037, 0.2871,  
0.2940

46.4331, 0.3973,  
0.4325

65.8206, 0.2770,  
0.2804

44.6447, 0.4135,  
0.4491

67.6305, 0.2773,  
0.2845

■ 42.9815, 0.4279,  
0.4623

■ 69.4810, 0.2776,  
0.2885

■ 41.4349, 0.4400,  
0.4714

■ 71.3724, 0.2779,  
0.2925

■ 39.9949, 0.4492,  
0.4758

■ 73.3048, 0.2782,  
0.2965

■ 38.7725, 0.4555,  
0.4765

■ 75.2786, 0.2785,  
0.3005

# Harmonies

## Analogous

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



54.9736, 0.3368, 0.3460



54.9736, 0.3295, 0.3511



54.9736, 0.3178, 0.3502

# Triad

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



54.9736, 0.3295, 0.3511



54.9736, 0.2886, 0.3207



54.9736, 0.3202, 0.3154

# Complementary

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



54.9736, 0.3295, 0.3511



47.0787, 0.2957, 0.3059

# 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.



54.9736, 0.3072, 0.3089



54.9736, 0.3295, 0.3511



54.9736, 0.2892, 0.3116

# Square

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



54.9736, 0.3295, 0.3511



54.9736, 0.2943, 0.3323



54.9736, 0.2959, 0.3074



54.9736, 0.3314, 0.3254



# Rectangle

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



54.9736, 0.3295, 0.3511



54.9736, 0.3091, 0.3461



54.9736, 0.2959, 0.3074



54.9736, 0.3159, 0.3127

# Sweetspot

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



54.9760, 0.3295, 0.3511



98.6382, 0.3172, 0.3350



47.4962, 0.3287, 0.3240



21.0357, 0.3185, 0.3366



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.



54.9760, 0.3295, 0.3511



94.2832, 0.3330, 0.3556



55.8554, 0.3233, 0.3563



12.0784, 0.3270, 0.3478



24.7775, 0.4549, 0.4770



1.2607, 0.4462, 0.4839



# Inverse Universe

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



47.0787, 0.2957, 0.3059



78.1249, 0.2920, 0.3009



46.3193, 0.3013, 0.3012



10.5923, 0.2983, 0.3095



3.5545, 0.1550, 0.0778



0.2656, 0.1651, 0.1142



# Previews

## White Background



This preview shows how the Yxy color 54.9736, 0.3295, 0.3511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

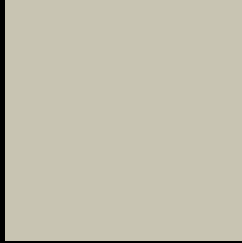
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.9736, 0.3295, 0.3511 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

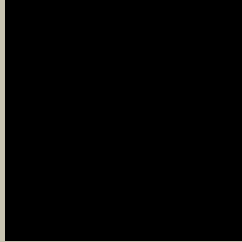
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

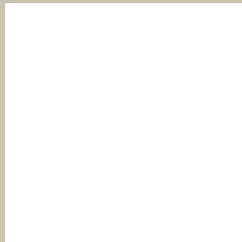
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 54.9736, 0.3295, 0.3511**

## **Background**



This preview shows how black text looks on a background with the Yxy color 54.9736, 0.3295, 0.3511.



This preview shows how white text looks on a background with the Yxy color 54.9736, 0.3295, 0.3511.

# 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

54.9736, 0.3295, 0.3511

### Protanopia

54.9010, 0.3329, 0.3510

### Deuteranopia

54.8655, 0.3469, 0.3408



## Tritanopia

55.0416, 0.3111, 0.3113

# Trichromacy



## Original Color

54.9736, 0.3295, 0.3511

## Protanomaly

54.7611, 0.3321, 0.3510

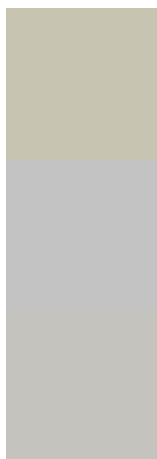
## Deuteranomaly

55.1001, 0.3403, 0.3445

## Tritanomaly

54.8220, 0.3185, 0.3254

# Monochromacy



## Original Color

54.9736, 0.3295, 0.3511

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.5747, 0.3188, 0.3364

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.9736, 0.3295, 0.3511 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(200, 196, 178)` looks like.

```
.text, #text, p{  
    color:rgb(200, 196, 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(200, 196, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 196, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 54.9736, 0.3295, 0.3511 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(200, 196, 178) }
```

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

```
.border{ border-color:rgb(200, 196, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 196, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 196, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 196, 178);  
box-shadow:4px 4px 4px 4px rgb(200, 196,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.9736, 0.3295, 0.3511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 196, 178) }
```

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

```
.background{ background-color: rgb(200,  
196, 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](#).

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