

# Converting Colors

Yxy(53.0620, 0.3530, 0.4008)

Have a look what the booklet for  
Yxy(53.0620, 0.3530, 0.4008)  
contains.

<b>Yxy(53.1634, 0.3525, 0.4013)</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(53.1634, 0.3525, 0.4013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C1C58C
RGB	193, 197, 140
RGB Percent	76%, 77%, 55%
CMY	0.2430, 0.2275, 0.4509
CMYK	0.02, 0.00, 0.29, 0.23
HSL	64°, 33%, 66%
HSV	64°, 29%, 77%
XYZ	46.6985, 53.1634, 32.6161
YIQ	189.3060, 15.9130, -18.5750

# Conversions

## Conversions Part 2

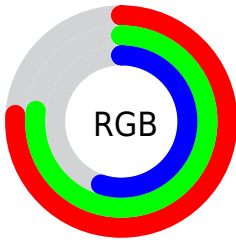
Format	Color
<a href="#">RYB</a>	<a href="#">140, 197, 144</a>
Decimal	<a href="#">12699020</a>
CIELab	<a href="#">77.97, -10.51, 28.20</a>
CIELCh	<a href="#">78, 30.094, 110.438</a>
Yxy	<a href="#">53.1634, 0.3525, 0.4013</a>
Android (android.graphics.Color)	<a href="#">4290889100 (0xFFC1C58C)</a>
YUV	<a href="#">189.3060, -24.3079, 3.2396</a>
Hunter-Lab	<a href="#">72.9132, -13.2749, 24.5172</a>

# Details

The Yxy color **53.1634, 0.3525, 0.4013** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **28.7189, 0.2659, 0.2467**, and the grayscale version is **51.2123, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1027, 0.3458, 0.3887**, and **25.8552, 0.3628, 0.4211** is the 20% darker color. If you saturate the color by 10%, you get **52.4562, 0.3658, 0.4261**, and if you desaturate by 10%, it is **53.9811, 0.3387, 0.3759**.

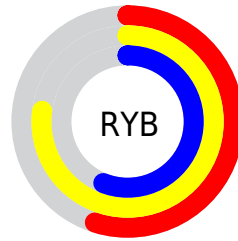
# Distribution



Red (76%)

Green (77%)

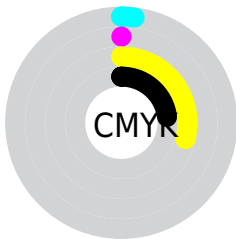
Blue (55%)



Red (55%)

Yellow (77%)

Blue (56%)

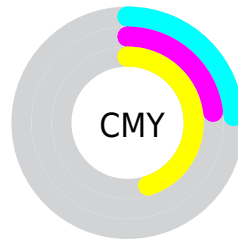


Cyan (2%)

Magenta (0%)

Yellow (29%)

Black (23%)



Cyan (24%)

Magenta (23%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.1634, 0.3525, 0.4013 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 53.1634, 0.3525, 0.4013 by changing the saturation by 10% instead.





 53.1634, 0.3525,  
0.4013

 53.1634, 0.3525,  
0.4013


398.9117, 0.3337,  
0.3654


 37.9332, 0.3568,  
0.4101


 94.8448, 0.3459,  
0.3884

 25.9309, 0.3621,  
0.4212


 122.0647, 0.3434,  
0.3835

 16.7719, 0.3686,  
0.4358


 154.0501, 0.3412,  
0.3793

 10.0720, 0.3768,  
0.4554

191.1853, 0.3393,  
0.3758

 5.4467, 0.3868,  
0.4829

233.8546, 0.3376,  
0.3727

 2.5117, 0.4137,  
0.5442

282.4426, 0.3362,

 0.8825, 0.3975,

0.3699

0.6025

337.3334, 0.3349,  
0.3675

0.0000, 0.0000,  
0.0000

53.1634, 0.3525,  
0.4013

53.1634, 0.3525,  
0.4013

52.4562, 0.3658,  
0.4261

53.9811, 0.3387,  
0.3759

51.8468, 0.3779,  
0.4494

54.9072, 0.3248,  
0.3507

51.3315, 0.3884,  
0.4701


55.9490, 0.3113,  
0.3264


50.9035, 0.3968,  
0.4874


57.1109, 0.2983,  
0.3034


50.5552, 0.4027,  
0.5006


58.3974, 0.2862,  
0.2820

 50.2775, 0.4060,  
0.5095

 59.6037, 0.2768,  
0.2654

 50.0555, 0.4071,  
0.5145

 59.7949, 0.2777,  
0.2655

 50.0327, 0.4072,  
0.5149

 59.9878, 0.2787,  
0.2657

 60.1824, 0.2796,  
0.2659

# Harmonies

## Analogous

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



53.1634, 0.3823, 0.3877



53.1634, 0.3525, 0.4013



53.1634, 0.3132, 0.3933

# Triad

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



53.1634, 0.3525, 0.4013



53.1634, 0.2383, 0.2900



53.1634, 0.3489, 0.2969

# Complementary

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



53.1634, 0.3525, 0.4013



28.7189, 0.2659, 0.2467

# 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.



53.1634, 0.3081, 0.2743



53.1634, 0.3525, 0.4013



53.1634, 0.2462, 0.2689

# Square

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



53.1634, 0.3525, 0.4013



53.1634, 0.2485, 0.3247



53.1634, 0.2709, 0.2640



53.1634, 0.3809, 0.3275



# Rectangle

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



53.1634, 0.3525, 0.4013



53.1634, 0.2871, 0.3756



53.1634, 0.2709, 0.2640



53.1634, 0.3356, 0.2882

# Sweetspot

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



53.1658, 0.3525, 0.4013



98.3073, 0.3251, 0.3513



33.6536, 0.3745, 0.3343



20.9868, 0.3272, 0.3550



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.



53.1658, 0.3525, 0.4013



94.3648, 0.3614, 0.4178



49.7923, 0.3284, 0.4073



12.3780, 0.3255, 0.3519



32.9255, 0.4073, 0.5148



1.5706, 0.4100, 0.5127



# Inverse Universe

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



28.7189, 0.2659, 0.2467



43.1680, 0.2531, 0.2246



31.5965, 0.2920, 0.2525



10.3221, 0.2993, 0.3052



2.7251, 0.1525, 0.0614



0.1416, 0.1611, 0.0661



# Previews

## White Background



This preview shows how the Yxy color 53.1634, 0.3525, 0.4013 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 53.1634, 0.3525, 0.4013 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

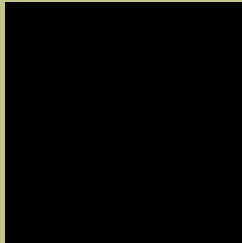
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.1634, 0.3525, 0.4013**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.1634, 0.3525, 0.4013.



This preview shows how white text looks on a background with the Yxy color 53.1634, 0.3525, 0.4013.

# 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

53.1634, 0.3525, 0.4013

### Protanopia

52.7996, 0.3680, 0.3952

### Deuteranopia

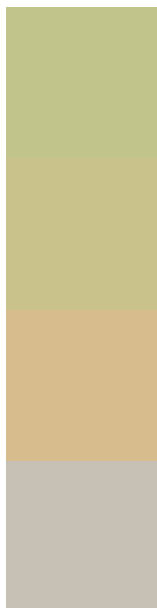
53.1751, 0.3855, 0.3775



## Tritanopia

53.1723, 0.3111, 0.3111

# Trichromacy



## Original Color

53.1634, 0.3525, 0.4013

## Protanomaly

53.0042, 0.3621, 0.3973

## Deuteranomaly

52.7953, 0.3731, 0.3854

## Tritanomaly

53.0412, 0.3261, 0.3426

# Monochromacy



## Original Color

53.1634, 0.3525, 0.4013

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.5867, 0.3271, 0.3558

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.1634, 0.3525, 0.4013 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(193, 197, 140)` looks like.

```
.text, #text, p{  
    color:rgb(193, 197, 140)  
}
```

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(193, 197, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 197, 140) }
```

## Border

The CSS property to change the border of an element to Yxy 53.1634, 0.3525, 0.4013 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(193, 197, 140) }
```

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

```
.border{ border-color:rgb(193, 197, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 197, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 197, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 197, 140);  
box-shadow:4px 4px 4px 4px rgb(193, 197,  
140) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.1634, 0.3525, 0.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 197, 140) }
```

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

```
.background{ background-color: rgb(193,  
197, 140) }
```

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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