

# Converting Colors

$Y_{xy}(53.2120, 0.3931, 0.4282)$

Have a look what the booklet for  
Yxy(53.2120, 0.3931, 0.4282)  
contains.

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# Color

**Yxy(53.0929, 0.3929, 0.4284)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D3C16D
RGB	211, 193, 109
RGB Percent	83%, 76%, 43%
CMY	0.1726, 0.2431, 0.5726
CMYK	0.00, 0.09, 0.48, 0.17
HSL	49°, 54%, 63%
HSV	49°, 48%, 83%
XYZ	48.6933, 53.0929, 22.1468
YIQ	188.8060, 37.6920, -22.3080

# Conversions

## Conversions Part 2

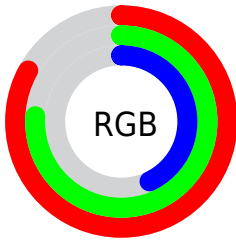
Format	Color
<a href="#">RYB</a>	<a href="#">131, 211, 109</a>
Decimal	<a href="#">13877613</a>
CIELab	<a href="#">77.93, -4.79, 44.33</a>
CIELCh	<a href="#">78, 44.586, 96.167</a>
Yxy	<a href="#">53.0929, 0.3929, 0.4284</a>
Android (android.graphics.Color)	<a href="#">4292067693 (0xFFD3C16D)</a>
YUV	<a href="#">188.8060, -39.3444, 19.4641</a>
Hunter-Lab	<a href="#">72.8649, -8.2277, 32.9846</a>

# Details

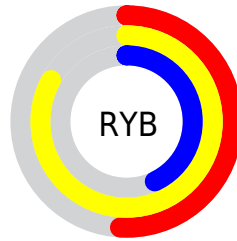
The Yxy color **53.0929, 0.3929, 0.4284** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.1282, 0.2260, 0.2037**, and the grayscale version is **50.9859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6200, 0.3697, 0.4149**, and **25.9317, 0.4105, 0.4536** is the 20% darker color. If you saturate the color by 10%, you get **51.0694, 0.4093, 0.4458**, and if you desaturate by 10%, it is **55.2718, 0.3757, 0.4088**.

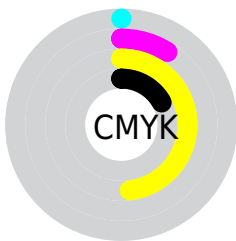
# Distribution



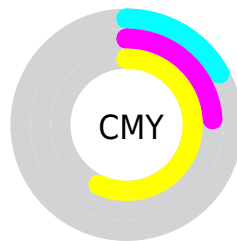
- Red (83%)
- Green (76%)
- Blue (43%)



- Red (51%)
- Yellow (83%)
- Blue (43%)



- Cyan (0%)
- Magenta (9%)
- Yellow (48%)
- Black (17%)




- Cyan (17%)
- Magenta (24%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0929, 0.3929, 0.4284 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 53.0929, 0.3929, 0.4284 by changing the saturation by 10% instead.




 53.0929, 0.3929,  
0.4284

 53.0929, 0.3929,  
0.4284

398.6414, 0.3554,  
0.3807


 37.8769, 0.4011,  
0.4392


 94.7411, 0.3800,  
0.4118


 25.8872, 0.4109,  
0.4524

 121.9420, 0.3750,  
0.4053

 16.7393, 0.4225,  
0.4685


 153.9068, 0.3706,  
0.3998

 10.0488, 0.4358,  
0.4881

 191.0198, 0.3668,  
0.3949

 5.4313, 0.4562,  
0.5183

233.6653, 0.3634,  
0.3907

 2.5025, 0.4624,  
0.5376

282.2279, 0.3604,

 0.8779, 0.4497,

0.3870

0.5503

337.0918, 0.3577,  
0.3837

0.0000, 0.0000,  
0.0000

53.0929, 0.3929,  
0.4284

53.0929, 0.3929,  
0.4284

51.0694, 0.4093,  
0.4458

55.2718, 0.3757,  
0.4088

49.1857, 0.4241,  
0.4601

57.6061, 0.3584,  
0.3879

47.4349, 0.4367,  
0.4703


60.1052, 0.3415,  
0.3667


45.8061, 0.4465,  
0.4759

62.7754, 0.3254,  
0.3458

44.2831, 0.4536,  
0.4771

65.6226, 0.3103,  
0.3257

 44.0371, 0.4547,  
0.4772

 68.6524, 0.2964,  
0.3068

 71.7608, 0.2847,  
0.2908

 73.7250, 0.2849,  
0.2948

 75.7329, 0.2851,  
0.2989

# Harmonies

## Analogous

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



53.0929, 0.4266, 0.3938



53.0929, 0.3929, 0.4284



53.0929, 0.3394, 0.4368

# Triad

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



53.0929, 0.3929, 0.4284



53.0929, 0.2096, 0.2916



53.0929, 0.3370, 0.2658

# Complementary

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



53.0929, 0.3929, 0.4284



23.1282, 0.2260, 0.2037

# 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.



53.0929, 0.2776, 0.2418



53.0929, 0.3929, 0.4284



53.0929, 0.2091, 0.2522

# Square

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



53.0929, 0.3929, 0.4284



53.0929, 0.2347, 0.3497



53.0929, 0.2325, 0.2362



53.0929, 0.3942, 0.3037



# Rectangle

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



53.0929, 0.3929, 0.4284



53.0929, 0.3003, 0.4213



53.0929, 0.2325, 0.2362



53.0929, 0.3164, 0.2560

# Sweetspot

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



53.0954, 0.3929, 0.4284



93.5478, 0.3363, 0.3600



26.3347, 0.4209, 0.3061



19.8396, 0.3398, 0.3645



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.



53.0954, 0.3929, 0.4284



78.3153, 0.4097, 0.4463



57.2386, 0.3567, 0.4580



13.4281, 0.3270, 0.3480



26.7123, 0.4540, 0.4777



1.5889, 0.4466, 0.4836



# Inverse Universe

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



23.1282, 0.2260, 0.2037



27.1778, 0.2061, 0.1722



21.3273, 0.2482, 0.1873



11.7500, 0.2982, 0.3093



3.7509, 0.1547, 0.0768

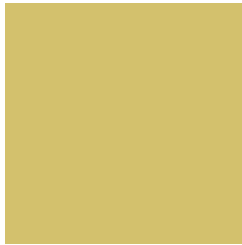


0.3149, 0.1635, 0.1084



# Previews

## White Background



This preview shows how the Yxy color 53.0929, 0.3929, 0.4284 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

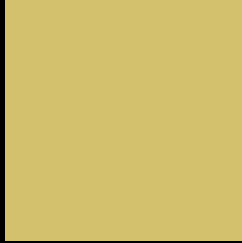
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.0929, 0.3929, 0.4284 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

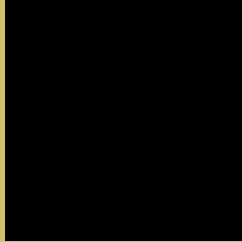
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.0929, 0.3929, 0.4284**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0929, 0.3929, 0.4284.



This preview shows how white text looks on a background with the Yxy color 53.0929, 0.3929, 0.4284.

# 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

53.0929, 0.3929, 0.4284

### Protanopia

53.2411, 0.3938, 0.4280

### Deuteranopia

53.0908, 0.4181, 0.4091



## Tritanopia

53.1138, 0.3330, 0.3129

# Trichromacy



## Original Color

53.0929, 0.3929, 0.4284

## Protanomaly

53.2411, 0.3938, 0.4280

## Deuteranomaly

52.8352, 0.4091, 0.4160

## Tritanomaly

53.0090, 0.3564, 0.3553

# Monochromacy



## Original Color

53.0929, 0.3929, 0.4284

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.2353, 0.3422, 0.3669

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.0929, 0.3929, 0.4284 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(211, 193, 109)` looks like.

```
.text, #text, p{  
    color:rgb(211, 193, 109)  
}
```

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(211, 193, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 193, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0929, 0.3929, 0.4284 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(211, 193, 109) }
```

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

```
.border{ border-color:rgb(211, 193, 109) }
```

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

Here you see how a box with a 4 pixel rgb(211, 193, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 193, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 193, 109);  
box-shadow:4px 4px 4px 4px rgb(211, 193,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0929, 0.3929, 0.4284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 193, 109) }
```

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

```
.background{ background-color: rgb(211,  
193, 109) }
```

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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