

# Converting Colors

Yxy(53.3207, 0.3192, 0.4898)

Have a look what the booklet for  
Yxy(53.3207, 0.3192, 0.4898)  
contains.

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# Color

**Yxy(53.3178, 0.3190, 0.4901)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7CD665
RGB	124, 214, 101
RGB Percent	49%, 84%, 40%
CMY	0.5138, 0.1607, 0.6040
CMYK	0.42, 0.00, 0.53, 0.16
HSL	108°, 58%, 62%
HSV	108°, 53%, 84%
XYZ	34.7039, 53.3178, 20.7679
YIQ	174.2080, -17.3670, -54.2230

# Conversions

## Conversions Part 2

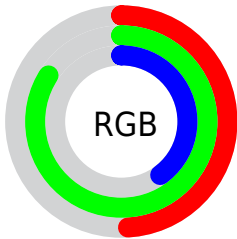
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 214, 191
Decimal	8181349
CIELab	78.06, -48.07, 47.05
CIELCh	78, 67.265, 135.616
Yxy	53.3178, 0.3190, 0.4901
Android (android.graphics.Color)	4286371429 (0xFF7CD665)
YUV	174.2080, -36.0915, -44.0324
Hunter-Lab	73.0190, -42.9473, 34.2502

# Details

The Yxy color **53.3178, 0.3190, 0.4901** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.2370, 0.2945, 0.1941**, and the grayscale version is **42.6328, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6769, 0.3229, 0.4454**, and **25.8688, 0.3141, 0.5382** is the 20% darker color. If you saturate the color by 10%, you get **51.7920, 0.3180, 0.5223**, and if you desaturate by 10%, it is **55.1769, 0.3190, 0.4564**.

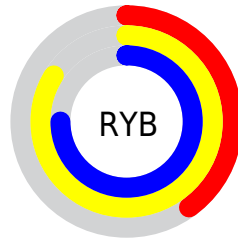
# Distribution



Red (49%)

Green (84%)

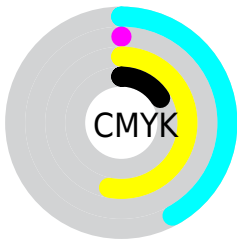
Blue (40%)



Red (40%)

Yellow (84%)

Blue (75%)

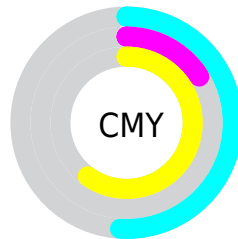


Cyan (42%)

Magenta (0%)

Yellow (53%)

Black (16%)



Cyan (51%)

Magenta (16%)


Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3178, 0.3190, 0.4901 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 53.3178, 0.3190, 0.4901 by changing the saturation by 10% instead.




 53.3178, 0.3190,  
0.4901

 53.3178, 0.3190,  
0.4901

399.5032, 0.3202,  
0.4064


 38.0565, 0.3171,  
0.5114


 95.0718, 0.3206,  
0.4593

 26.0266, 0.3137,  
0.5386


 122.3334, 0.3208,  
0.4478

 16.8435, 0.3075,  
0.5742


 154.3639, 0.3209,  
0.4381

 10.1230, 0.2956,  
0.6221

 191.5476, 0.3208,  
0.4299

 5.4806, 0.2803,  
0.7077

234.2690, 0.3207,  
0.4228

 2.5319, 0.2231,  
0.7769

282.9125, 0.3206,

 0.8926, 0.0000,

0.4166

1.0000

337.8624, 0.3204,  
0.4112

■ 0.0000, 0.0000,  
0.0000

■ 53.3178, 0.3190,  
0.4901

■ 53.3178, 0.3190,  
0.4901

■ 51.7920, 0.3180,  
0.5223

■ 55.1769, 0.3190,  
0.4564

■ 50.5727, 0.3160,  
0.5506

■ 57.3807, 0.3183,  
0.4230

■ 49.6399, 0.3130,  
0.5730

■ 59.9483, 0.3170,  
0.3913

■ 48.9679, 0.3093,  
0.5880

■ 62.8954, 0.3152,  
0.3621

■ 48.6231, 0.3066,  
0.5947

■ 66.2369, 0.3133,  
0.3359

■ 69.9866, 0.3112,  
0.3125

■ 74.1580, 0.3091,  
0.2921

■ 76.5778, 0.3146,  
0.2891

# Harmonies

## Analogous

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



53.3178, 0.4014, 0.4844



53.3178, 0.3190, 0.4901



53.3178, 0.2394, 0.4260

# Triad

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



53.3178, 0.3190, 0.4901



53.3178, 0.1732, 0.2067



53.3178, 0.4568, 0.3081

# Complementary

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



53.3178, 0.3190, 0.4901



25.2370, 0.2945, 0.1941

# Split Complementary

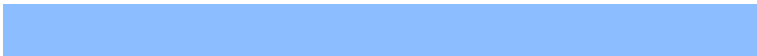
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.3178, 0.3765, 0.2533



53.3178, 0.3190, 0.4901



53.3178, 0.2138, 0.1973

# Square

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



53.3178, 0.3190, 0.4901



53.3178, 0.1629, 0.2482



53.3178, 0.2850, 0.2142



53.3178, 0.4893, 0.3703



# Rectangle

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



53.3178, 0.3190, 0.4901



53.3178, 0.1990, 0.3597



53.3178, 0.2850, 0.2142



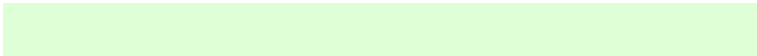
53.3178, 0.4339, 0.2886

# Sweetspot

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



53.3201, 0.3190, 0.4901



91.9940, 0.3159, 0.3716



51.8557, 0.4032, 0.4321



19.4939, 0.3162, 0.3776



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.



53.3201, 0.3190, 0.4901



76.8490, 0.3179, 0.5247



52.5568, 0.2882, 0.4501



14.0164, 0.3146, 0.3529



29.4223, 0.3073, 0.5942



1.8102, 0.3190, 0.5850



# Inverse Universe

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



25.2370, 0.2945, 0.1941



30.8675, 0.2890, 0.1706



26.9775, 0.3547, 0.2344



12.4992, 0.3106, 0.3058



8.1765, 0.2702, 0.1262

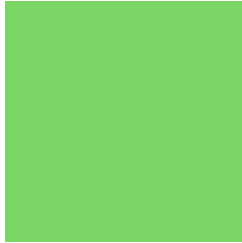


0.5262, 0.2794, 0.1313



# Previews

## White Background



This preview shows how the Yxy color 53.3178, 0.3190, 0.4901 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 53.3178, 0.3190, 0.4901 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

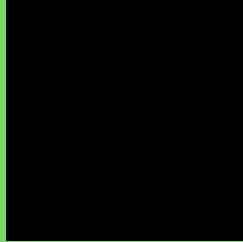
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 53.3178, 0.3190, 0.4901**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3178, 0.3190, 0.4901.



This preview shows how white text looks on a background with the Yxy color 53.3178, 0.3190, 0.4901.

# 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

53.3178, 0.3190, 0.4901

### Protanopia

52.5045, 0.4045, 0.4423

### Deuteranopia

52.4635, 0.4194, 0.4103



## Tritanopia

52.8550, 0.2626, 0.3069

# Trichromacy



## Original Color

53.3178, 0.3190, 0.4901



## Protanomaly

51.8749, 0.3696, 0.4605



## Deuteranomaly

51.0935, 0.3792, 0.4389



## Tritanomaly

52.5561, 0.2840, 0.3720

# Monochromacy



## Original Color

53.3178, 0.3190, 0.4901



## Achromatopsia

42.3268, 0.3127, 0.3290



## Achromatomaly

45.5697, 0.3172, 0.3889

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.3178, 0.3190, 0.4901 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(124, 214, 101)` looks like.

```
.text, #text, p{  
    color:rgb(124, 214, 101)  
}
```

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(124, 214, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 214, 101) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3178, 0.3190, 0.4901 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(124, 214, 101) }
```

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

```
.border{ border-color:rgb(124, 214, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 214, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 214, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 214, 101);  
box-shadow:4px 4px 4px 4px rgb(124, 214,  
101) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3178, 0.3190, 0.4901 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 214, 101) }
```

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

```
.background{ background-color: rgb(124,  
214, 101) }
```

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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