

# Converting Colors

Yxy(53.4354, 0.4107, 0.4335)

Have a look what the booklet for  
Yxy(53.4354, 0.4107, 0.4335)  
contains.

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# Color

**Yxy(53.5156, 0.4105, 0.4337)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDBF62
RGB	221, 191, 98
RGB Percent	87%, 75%, 38%
CMY	0.1334, 0.2509, 0.6155
CMYK	0.00, 0.14, 0.56, 0.13
HSL	45°, 64%, 63%
HSV	45°, 56%, 87%
XYZ	50.6529, 53.5156, 19.2246
YIQ	189.3680, 47.7330, -22.5630

# Conversions

## Conversions Part 2

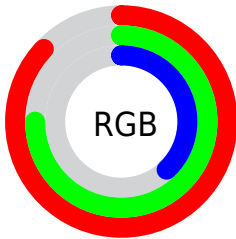
Format	Color
<a href="#">RYB</a>	138, 221, 98
Decimal	14532450
CIELab	78.18, -0.57, 50.18
CIELCh	78, 50.179, 90.645
Yxy	53.5156, 0.4105, 0.4337
Android (android.graphics.Color)	4292722530 (0xFFDDBF62)
YUV	189.3680, -45.0444, 27.7413
Hunter-Lab	73.1544, -4.4248, 35.6269

# Details

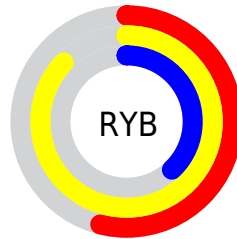
The Yxy color **53.5156, 0.4105, 0.4337** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **23.2622, 0.2140, 0.1929**, and the grayscale version is **51.3561, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0159, 0.3768, 0.4235**, and **26.1687, 0.4311, 0.4566** is the 20% darker color. If you saturate the color by 10%, you get **50.8491, 0.4281, 0.4479**, and if you desaturate by 10%, it is **56.3889, 0.3919, 0.4167**.

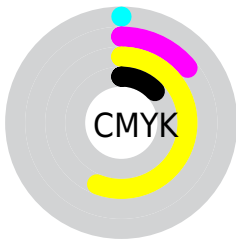
# Distribution



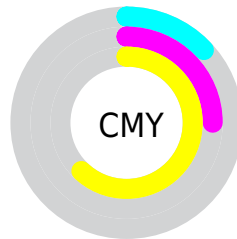
- Red (87%)
- Green (75%)
- Blue (38%)



- Red (54%)
- Yellow (87%)
- Blue (38%)



- Cyan (0%)
- Magenta (14%)
- Yellow (56%)
- Black (13%)




- Cyan (13%)
- Magenta (25%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.5156, 0.4105, 0.4337 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 53.5156, 0.4105, 0.4337 by changing the saturation by 10% instead.




 53.5156, 0.4105,  
0.4337

 53.5156, 0.4105,  
0.4337


400.2601, 0.3650,  
0.3849


 38.2145, 0.4203,  
0.4442


 95.3626, 0.3951,  
0.4171


 26.1492, 0.4318,  
0.4567


 122.6774, 0.3889,  
0.4105

 16.9353, 0.4451,  
0.4712

 154.7655, 0.3836,  
0.4048

 10.1884, 0.4599,  
0.4874

 192.0114, 0.3789,  
0.3998

 5.5240, 0.4851,  
0.5149

234.7994, 0.3748,  
0.3954

 2.5579, 0.4844,  
0.5156

283.5139, 0.3712,

 0.9055, 0.4832,

0.3915

0.5168

338.5394, 0.3679,  
0.3880

0.0000, 0.0000,  
0.0000

53.5156, 0.4105,  
0.4337

53.5156, 0.4105,  
0.4337

50.8491, 0.4281,  
0.4479

56.3889, 0.3919,  
0.4167

48.3712, 0.4438,  
0.4583

59.4708, 0.3732,  
0.3979

46.0720, 0.4569,  
0.4640

62.7727, 0.3549,  
0.3782

43.9367, 0.4671,  
0.4649

66.3026, 0.3375,  
0.3586

43.0452, 0.4709,  
0.4643

70.0679, 0.3213,  
0.3394

■ 74.0759, 0.3064,  
0.3212

■ 78.3331, 0.2928,  
0.3041

■ 81.5020, 0.2917,  
0.3075

■ 84.6191, 0.2918,  
0.3131

# Harmonies

## Analogous

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



53.5156, 0.4432, 0.3908



53.5156, 0.4105, 0.4337



53.5156, 0.3534, 0.4519

# Triad

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



53.5156, 0.4105, 0.4337



53.5156, 0.2015, 0.2970



53.5156, 0.3267, 0.2529

# Complementary

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



53.5156, 0.4105, 0.4337



23.2622, 0.2140, 0.1929

# 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.



53.5156, 0.2624, 0.2299



53.5156, 0.4105, 0.4337



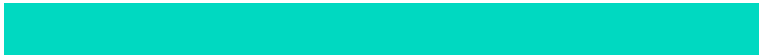
53.5156, 0.1963, 0.2491

# Square

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



53.5156, 0.4105, 0.4337



53.5156, 0.2335, 0.3650



53.5156, 0.2171, 0.2274



53.5156, 0.3936, 0.2919



# Rectangle

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



53.5156, 0.4105, 0.4337



53.5156, 0.3099, 0.4407



53.5156, 0.2171, 0.2274



53.5156, 0.3039, 0.2432

# Sweetspot

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



53.5181, 0.4105, 0.4337



90.9561, 0.3400, 0.3615



25.6923, 0.4360, 0.2937



19.2533, 0.3435, 0.3655



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.



53.5181, 0.4105, 0.4337



69.6625, 0.4312, 0.4502



63.5683, 0.3679, 0.4738



14.6979, 0.3273, 0.3466



25.1945, 0.4699, 0.4651



1.7635, 0.4599, 0.4730



# Inverse Universe

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



23.2622, 0.2140, 0.1929



23.9847, 0.1933, 0.1590



18.6126, 0.2286, 0.1609



13.1303, 0.2981, 0.3108



4.7086, 0.1579, 0.0883



0.4402, 0.1666, 0.1196



# Previews

## White Background



This preview shows how the Yxy color 53.5156, 0.4105, 0.4337 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

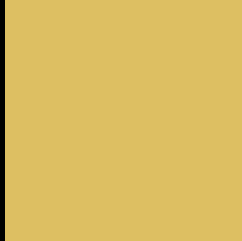
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.5156, 0.4105, 0.4337 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 53.5156, 0.4105, 0.4337**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.5156, 0.4105, 0.4337.



This preview shows how white text looks on a background with the Yxy color 53.5156, 0.4105, 0.4337.

# 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

53.5156, 0.4105, 0.4337

### Protanopia

53.7806, 0.4018, 0.4385

### Deuteranopia

53.3782, 0.4288, 0.4185



## Tritanopia

53.3606, 0.3446, 0.3133

# Trichromacy



## Original Color

53.5156, 0.4105, 0.4337

## Protanomaly

53.7925, 0.4051, 0.4363

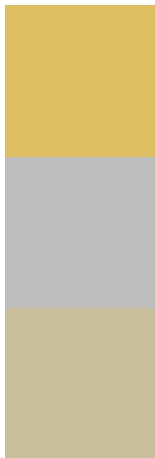
## Deuteranomaly

53.5973, 0.4222, 0.4246

## Tritanomaly

53.1151, 0.3713, 0.3581

# Monochromacy



## Original Color

53.5156, 0.4105, 0.4337

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.6447, 0.3489, 0.3715

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  53.5156, 0.4105, 0.4337 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(221, 191, 98)` looks like.

```
.text, #text, p{  
    color:rgb(221, 191, 98)  
}
```

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(221, 191, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 191, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 53.5156, 0.4105, 0.4337 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(221, 191, 98) }
```

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

```
.border{ border-color:rgb(221, 191, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 191, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 191, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 191, 98);  
box-shadow:4px 4px 4px 4px rgb(221, 191,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.5156, 0.4105, 0.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 191, 98) }
```

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

```
.background{ background-color: rgb(221,  
191, 98) }
```

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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