

# Converting Colors

Yxy(53.0963, 0.4287, 0.4654)

Have a look what the booklet for  
Yxy(53.0963, 0.4287, 0.4654)  
contains.

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**Color**

**Yxy(53.0963, 0.4287, 0.4654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBC03D
RGB	219, 192, 61
RGB Percent	86%, 75%, 24%
CMY	0.1411, 0.2471, 0.7609
CMYK	0.00, 0.12, 0.72, 0.14
HSL	50°, 69%, 55%
HSV	50°, 72%, 86%
XYZ	48.9093, 53.0963, 12.0819
YIQ	185.1390, 58.1430, -35.0170

# Conversions

## Conversions Part 2

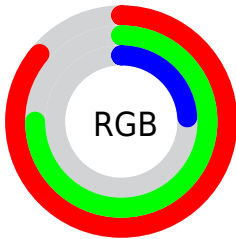
Format	Color
<b>R<sub>YB</sub></b>	94, 219, 61
Decimal	14401597
CIE Lab	77.93, -4.21, 65.84
CIE LCh	78, 65.979, 93.656
Yxy	53.0963, 0.4287, 0.4654
Android (android.graphics.Color)	4292591677 (0xFFDBC03D)
YUV	185.1390, -61.2005, 29.6961
Hunter-Lab	72.8672, -7.7064, 41.1764

# Details

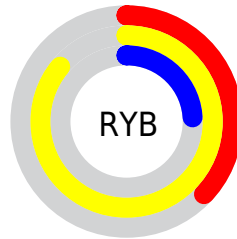
The Yxy color **53.0963, 0.4287, 0.4654** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.0859, 0.1822, 0.1310**, and the grayscale version is **48.9215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6558, 0.3951, 0.4543**, and **25.9388, 0.4442, 0.4855** is the 20% darker color. If you saturate the color by 10%, you get **51.2856, 0.4401, 0.4739**, and if you desaturate by 10%, it is **55.0502, 0.4148, 0.4526**.

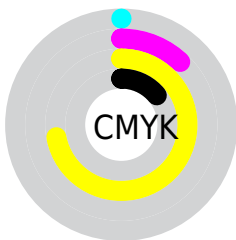
# Distribution



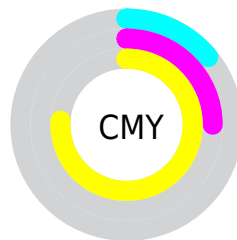
- Red (86%)
- Green (75%)
- Blue (24%)



- Red (37%)
- Yellow (86%)
- Blue (24%)



- Cyan (0%)
- Magenta (12%)
- Yellow (72%)
- Black (14%)




- Cyan (14%)
- Magenta (25%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0963, 0.4287, 0.4654 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 53.0963, 0.4287, 0.4654 by changing the saturation by 10% instead.





 53.0963, 0.4287,  
0.4654


 53.0963, 0.4287,  
0.4654


398.6545, 0.3776,  
0.4037

 37.8797, 0.4383,  
0.4776


 94.7461, 0.4124,  
0.4452

 25.8893, 0.4485,  
0.4911


 121.9480, 0.4055,  
0.4369

 16.7408, 0.4587,  
0.5054


 153.9137, 0.3995,  
0.4296

 10.0499, 0.4736,  
0.5264

 191.0278, 0.3941,  
0.4232

 5.4320, 0.4705,  
0.5295

 233.6745, 0.3893,  
0.4175

 2.5029, 0.4655,  
0.5345

282.2382, 0.3850,

 0.8781, 0.4546,

0.4124

0.5454

337.1034, 0.3811,  
0.4078

0.0000, 0.0000,  
0.0000

53.0963, 0.4287,  
0.4654

53.0963, 0.4287,  
0.4654

51.2856, 0.4401,  
0.4739

55.0502, 0.4148,  
0.4526

49.5976, 0.4485,  
0.4777

57.1506, 0.3991,  
0.4362

48.3449, 0.4535,  
0.4781

59.4092, 0.3823,  
0.4171

61.8346, 0.3650,  
0.3965

64.4344, 0.3479,  
0.3752

67.2158, 0.3314,  
0.3539

70.1854, 0.3159,  
0.3333

73.3494, 0.3015,  
0.3137

76.5128, 0.2902,  
0.2985

# Harmonies

## Analogous

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



53.0963, 0.4782, 0.4081



53.0963, 0.4287, 0.4654



53.0963, 0.3525, 0.4927

# Triad

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



53.0963, 0.4287, 0.4654



53.0963, 0.1696, 0.2763



53.0963, 0.3388, 0.2368

# Complementary

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



53.0963, 0.4287, 0.4654



13.0859, 0.1822, 0.1310

# 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.



53.0963, 0.2542, 0.2063



53.0963, 0.4287, 0.4654



53.0963, 0.1676, 0.2208

# Square

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



53.0963, 0.4287, 0.4654



53.0963, 0.2041, 0.3658



53.0963, 0.1957, 0.1996



53.0963, 0.4268, 0.2857



# Rectangle

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



53.0963, 0.4287, 0.4654



53.0963, 0.2970, 0.4765



53.0963, 0.1957, 0.1996



53.0963, 0.3086, 0.2243

# Sweetspot

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



53.0988, 0.4287, 0.4654



90.9313, 0.3479, 0.3752



19.1355, 0.5155, 0.3014



19.2429, 0.3526, 0.3811



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.



53.0988, 0.4287, 0.4654



71.0330, 0.4452, 0.4766



59.4419, 0.3679, 0.5141



14.8652, 0.3271, 0.3482



28.8021, 0.4529, 0.4786



1.9681, 0.4465, 0.4837



# Inverse Universe

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



13.0859, 0.1822, 0.1310



12.0623, 0.1625, 0.0936



11.8316, 0.2080, 0.1171



12.9752, 0.2981, 0.3090



3.9434, 0.1544, 0.0758



0.3668, 0.1620, 0.1031



# Previews

## White Background



This preview shows how the Yxy color 53.0963, 0.4287, 0.4654 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 53.0963, 0.4287, 0.4654 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 53.0963, 0.4287, 0.4654**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.0963, 0.4287, 0.4654.



This preview shows how white text looks on a background with the Yxy color 53.0963, 0.4287, 0.4654.

# 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

53.0963, 0.4287, 0.4654

### Protanopia

53.0758, 0.4252, 0.4679

### Deuteranopia

52.9379, 0.4538, 0.4438



## Tritanopia

52.7485, 0.3448, 0.3133

# Trichromacy



## Original Color

53.0963, 0.4287, 0.4654

## Protanomaly

53.2286, 0.4261, 0.4674

## Deuteranomaly

52.8003, 0.4449, 0.4512

## Tritanomaly

52.3329, 0.3815, 0.3746

# Monochromacy



## Original Color

53.0963, 0.4287, 0.4654

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

49.7302, 0.3588, 0.3901

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0963, 0.4287, 0.4654 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(219, 192, 61)` looks like.

```
.text, #text, p{  
    color:rgb(219, 192, 61)  
}
```

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(219, 192, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 192, 61) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0963, 0.4287, 0.4654 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(219, 192, 61) }
```

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

```
.border{ border-color:rgb(219, 192, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 192, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 192, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 192, 61);  
box-shadow:4px 4px 4px 4px rgb(219, 192,  
61) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0963, 0.4287, 0.4654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 192, 61) }
```

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

```
.background{ background-color: rgb(219,  
192, 61) }
```

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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