

# Converting Colors

Yxy(53.4627, 0.4419, 0.4873)

Have a look what the booklet for  
Yxy(53.4627, 0.4419, 0.4873)  
contains.

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**Color**

**Yxy(53.2000, 0.4421, 0.4871)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBC100
RGB	219, 193, 0
RGB Percent	86%, 76%, 0%
CMY	0.1412, 0.2431, 0.9987
CMYK	0.00, 0.12, 1.00, 0.14
HSL	53°, 100%, 43%
HSV	53°, 100%, 86%
XYZ	48.2852, 53.2000, 7.7326
YIQ	178.7720, 77.4490, -54.5110

# Conversions

## Conversions Part 2

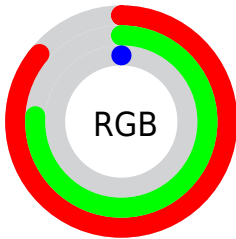
Format	Color
R <sub>Y</sub> B	30, 219, 0
Decimal	14401792
CIE Lab	77.99, -6.18, 79.23
CIE LCh	78, 79.474, 94.462
Yxy	53.2000, 0.4421, 0.4871
Android (android.graphics.Color)	4292591872 (0xFFDBC100)
YUV	178.7720, -88.1346, 35.2800
Hunter-Lab	72.9383, -9.4750, 44.7711

# Details

The Yxy color **53.2000, 0.4421, 0.4871** is a dark color, and the websafe version is hex **CCCC00**. The color can be described as middle washed yellow. A complement of this color would be **5.8701, 0.1522, 0.0679**, and the grayscale version is **45.4207, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6359, 0.4084, 0.4774**, and **26.1271, 0.4417, 0.4875** is the 20% darker color. If you saturate the color by 10%, you get **53.1844, 0.4422, 0.4871**, and if you desaturate by 10%, it is **54.4221, 0.4371, 0.4854**.

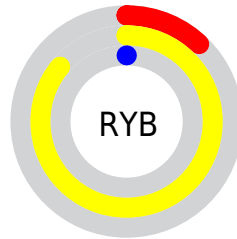
# Distribution



Red (86%)

Green (76%)

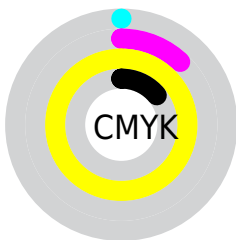
Blue (0%)



Red (12%)

Yellow (86%)

Blue (0%)

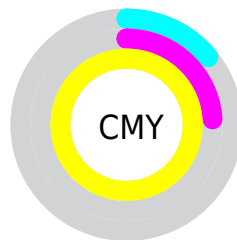


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (24%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.2000, 0.4421, 0.4871 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 53.2000, 0.4421, 0.4871 by changing the saturation by 10% instead.





 53.2000, 0.4421,  
0.4871

 53.2000, 0.4421,  
0.4871


399.0520, 0.3888,  
0.4187


 37.9625, 0.4505,  
0.4991


 94.8986, 0.4263,  
0.4659

 25.9535, 0.4583,  
0.5114


 122.1284, 0.4192,  
0.4568

 16.7889, 0.4667,  
0.5256


 154.1245, 0.4128,  
0.4486

 10.0841, 0.4672,  
0.5328

 191.2712, 0.4070,  
0.4413

 5.4547, 0.4625,  
0.5375

 233.9529, 0.4018,  
0.4348

 2.5165, 0.4551,  
0.5449

 282.5540, 0.3970,

 0.8849, 0.4382,

0.4289

0.5618

337.4589, 0.3927,  
0.4235

■ 0.0000, 0.0000,  
0.0000

■ 53.2000, 0.4421,  
0.4871

■ 53.2000, 0.4421,  
0.4871

■ 53.1844, 0.4422,  
0.4871

■ 54.4221, 0.4371,  
0.4854

■ 55.7279, 0.4297,  
0.4797

■ 57.1410, 0.4195,  
0.4696

■ 58.6735, 0.4068,  
0.4553

■ 60.3357, 0.3922,  
0.4374

■ 62.1365, 0.3764,  
0.4171

■ 64.0838, 0.3599,  
0.3952

■ 66.1852, 0.3435,  
0.3727

■ 68.4473, 0.3276,  
0.3503

# Harmonies

## Analogous

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



53.2000, 0.5050, 0.4165



53.2000, 0.4421, 0.4871



53.2000, 0.3519, 0.5269

# Triad

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



53.2000, 0.4421, 0.4871



53.2000, 0.1462, 0.2611



53.2000, 0.3455, 0.2229

# Complementary

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



53.2000, 0.4421, 0.4871



5.8701, 0.1522, 0.0679

# 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.



53.2000, 0.2450, 0.1880



53.2000, 0.4421, 0.4871



53.2000, 0.1459, 0.2001

# Square

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



53.2000, 0.4421, 0.4871



53.2000, 0.1824, 0.3686



53.2000, 0.1780, 0.1789



53.2000, 0.4520, 0.2783



# Rectangle

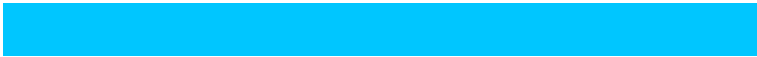
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



53.2000, 0.4421, 0.4871



53.2000, 0.2875, 0.5097



53.2000, 0.1780, 0.1789



53.2000, 0.3092, 0.2087

# Sweetspot

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



53.2026, 0.4421, 0.4871



90.3482, 0.3606, 0.3961



15.1586, 0.6242, 0.3213



19.0833, 0.3676, 0.4055



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.



53.2026, 0.4421, 0.4871



74.9393, 0.4424, 0.4869



56.1381, 0.3558, 0.5556



14.9858, 0.3270, 0.3494



31.6419, 0.4418, 0.4874



2.1261, 0.4376, 0.4907



# Inverse Universe

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



5.8701, 0.1522, 0.0679



8.1647, 0.1520, 0.0670



6.8495, 0.1784, 0.0757



12.8653, 0.2981, 0.3077



3.5549, 0.1526, 0.0692

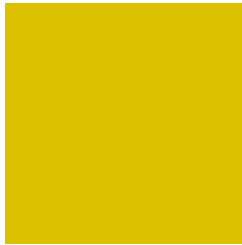


0.3149, 0.1585, 0.0907



# Previews

## White Background



This preview shows how the Yxy color 53.2000, 0.4421, 0.4871 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

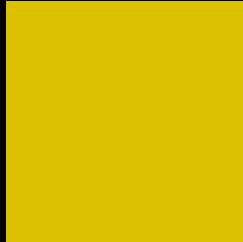
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.2000, 0.4421, 0.4871 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 53.2000, 0.4421, 0.4871**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.2000, 0.4421, 0.4871.



This preview shows how white text looks on a background with the Yxy color 53.2000, 0.4421, 0.4871.

# 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

53.2000, 0.4421, 0.4871

### Protanopia

53.0519, 0.4410, 0.4874

### Deuteranopia

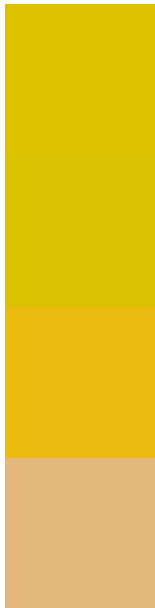
53.1660, 0.4697, 0.4590



## Tritanopia

52.9134, 0.3457, 0.3133

# Trichromacy



## Original Color

53.2000, 0.4421, 0.4871

## Protanomaly

53.0497, 0.4411, 0.4875

## Deuteranomaly

53.2373, 0.4599, 0.4697

## Tritanomaly

51.8798, 0.4007, 0.3992

# Monochromacy



## Original Color

53.2000, 0.4421, 0.4871

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

46.9652, 0.3783, 0.4188

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.2000, 0.4421, 0.4871 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, 193, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 193, 0)  
}
```

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, 193, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 193, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 53.2000, 0.4421, 0.4871 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, 193, 0) }
```

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

```
.border{ border-color:rgb(219, 193, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 193, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 193, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 193, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 193,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.2000, 0.4421, 0.4871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 193, 0) }
```

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

```
.background{ background-color: rgb(219,  
193, 0) }
```

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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