

# Converting Colors

Yxy(54.2539, 0.4417, 0.4875)

Have a look what the booklet for  
Yxy(54.2539, 0.4417, 0.4875)  
contains.

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**Color**

**Yxy(54.4024, 0.4419, 0.4873)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC300
RGB	221, 195, 0
RGB Percent	87%, 76%, 0%
CMY	0.1333, 0.2353, 0.9994
CMYK	0.00, 0.12, 1.00, 0.13
HSL	53°, 100%, 43%
HSV	53°, 100%, 87%
XYZ	49.3339, 54.4024, 7.9041
YIQ	180.5440, 78.0910, -55.1330

# Conversions

## Conversions Part 2

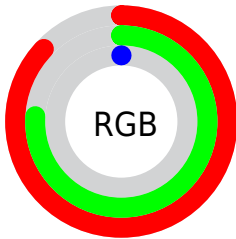
Format	Color
R <sub>Y</sub> B	29, 221, 0
Decimal	14533376
CIE Lab	78.70, -6.34, 79.84
CIE LCh	79, 80.089, 94.544
Yxy	54.4024, 0.4419, 0.4873
Android (android.graphics.Color)	4292723456 (0xFFDDC300)
YUV	180.5440, -89.0082, 35.4799
Hunter-Lab	73.7580, -9.6846, 45.2769

# Details

The Yxy color **54.4024, 0.4419, 0.4873** 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 **5.9662, 0.1521, 0.0676**, and the grayscale version is **46.4178, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.8945, 0.4069, 0.4782**, and **26.9231, 0.4415, 0.4877** is the 20% darker color. If you saturate the color by 10%, you get **54.3969, 0.4419, 0.4873**, and if you desaturate by 10%, it is **55.6393, 0.4370, 0.4856**.

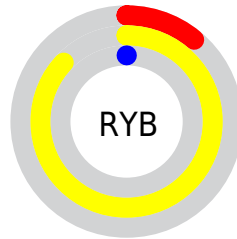
# Distribution



Red (87%)

Green (76%)

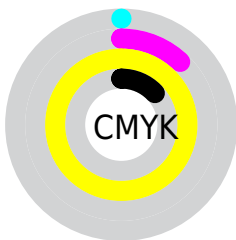
Blue (0%)



Red (11%)

Yellow (87%)

Blue (0%)

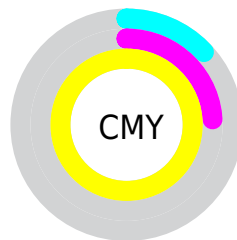


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (24%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4024, 0.4419, 0.4873 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 54.4024, 0.4419, 0.4873 by changing the saturation by 10% instead.



54.4024, 0.4419,  
0.4873

54.4024, 0.4419,  
0.4873

403.6426, 0.3889,  
0.4191

38.9235, 0.4502,  
0.4992

96.6648, 0.4262,  
0.4662

26.7002, 0.4580,  
0.5115

124.2171, 0.4193,  
0.4571

17.3482, 0.4660,  
0.5253

156.5626, 0.4129,  
0.4490

10.4831, 0.4669,  
0.5331

194.0858, 0.4071,  
0.4417

5.7204, 0.4623,  
0.5377

237.1710, 0.4019,  
0.4351

2.6758, 0.4549,  
0.5451

286.2026, 0.3971,

0.9649, 0.4406,

0.4292

0.5594

341.5650, 0.3928,  
0.4239

■ 0.0000, 0.0000,  
0.0000

■ 54.4024, 0.4419,  
0.4873

■ 54.4024, 0.4419,  
0.4873

■ 54.3969, 0.4419,  
0.4873

■ 55.6393, 0.4370,  
0.4856

■ 56.9610, 0.4296,  
0.4800

■ 58.3918, 0.4195,  
0.4699

■ 59.9441, 0.4068,  
0.4556

■ 61.6283, 0.3923,  
0.4378

■ 63.4536, 0.3765,  
0.4174

■ 65.4282, 0.3601,  
0.3955

■ 67.5596, 0.3437,  
0.3730

■ 69.8548, 0.3278,  
0.3506

# Harmonies

## Analogous

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



54.4024, 0.5049, 0.4167



54.4024, 0.4419, 0.4873



54.4024, 0.3516, 0.5270

# Triad

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



54.4024, 0.4419, 0.4873



54.4024, 0.1461, 0.2608



54.4024, 0.3458, 0.2230

# Complementary

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



54.4024, 0.4419, 0.4873



5.9662, 0.1521, 0.0676

# 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.



54.4024, 0.2453, 0.1880



54.4024, 0.4419, 0.4873



54.4024, 0.1459, 0.2000

# Square

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



54.4024, 0.4419, 0.4873



54.4024, 0.1822, 0.3683



54.4024, 0.1781, 0.1789



54.4024, 0.4523, 0.2785



# Rectangle

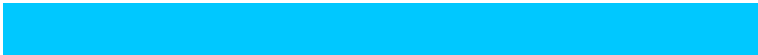
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



54.4024, 0.4419, 0.4873



54.4024, 0.2872, 0.5096



54.4024, 0.1781, 0.1789



54.4024, 0.3095, 0.2087

# Sweetspot

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



54.4050, 0.4419, 0.4873



90.4043, 0.3606, 0.3962



15.4665, 0.6245, 0.3214



19.0969, 0.3676, 0.4056



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.



54.4050, 0.4419, 0.4873



75.1053, 0.4421, 0.4872



57.2886, 0.3557, 0.5557



14.9886, 0.3270, 0.3494



31.7103, 0.4415, 0.4876



2.1299, 0.4374, 0.4909



# Inverse Universe

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



5.9662, 0.1521, 0.0676



8.1490, 0.1519, 0.0669



6.9784, 0.1783, 0.0756



12.8627, 0.2981, 0.3077



3.5474, 0.1525, 0.0690



0.3137, 0.1585, 0.0904



# Previews

## White Background



This preview shows how the Yxy color 54.4024, 0.4419, 0.4873 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

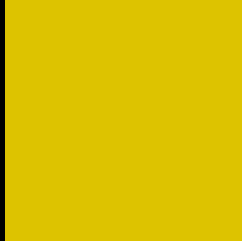
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.4024, 0.4419, 0.4873 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 54.4024, 0.4419, 0.4873**

## Background



This preview shows how black text looks on a background with the Yxy color 54.4024, 0.4419, 0.4873.



This preview shows how white text looks on a background with the Yxy color 54.4024, 0.4419, 0.4873.

# 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

54.4024, 0.4419, 0.4873

### Protanopia

54.2524, 0.4408, 0.4876

### Deuteranopia

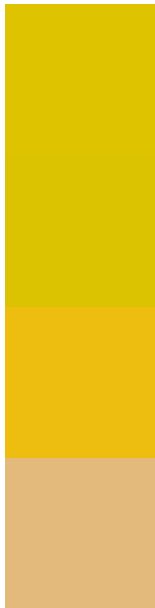
54.3567, 0.4693, 0.4595



## Tritanopia

54.1437, 0.3453, 0.3135

# Trichromacy



**Original Color**

54.4024, 0.4419, 0.4873

**Protanomaly**

54.2502, 0.4409, 0.4877

**Deuteranomaly**

54.4342, 0.4595, 0.4701

**Tritanomaly**

53.0670, 0.4006, 0.3997

# Monochromacy



**Original Color**

54.4024, 0.4419, 0.4873

**Achromatopsia**

46.2077, 0.3127, 0.3290

**Achromatomaly**

48.0914, 0.3785, 0.4192

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4024, 0.4419, 0.4873 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, 195, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 195, 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(221, 195, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 195, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4024, 0.4419, 0.4873 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, 195, 0) }
```

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

```
.border{ border-color:rgb(221, 195, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 195, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 195, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 195, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 195,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4024, 0.4419, 0.4873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 195, 0) }
```

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

```
.background{ background-color: rgb(221,  
195, 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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