

# Converting Colors

Yxy(63.8348, 0.4253, 0.5005)

Have a look what the booklet for  
Yxy(63.8348, 0.4253, 0.5005)  
contains.

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**Color**

**Yxy(63.6227, 0.4258, 0.5001)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DED600
RGB	222, 214, 0
RGB Percent	87%, 84%, 0%
CMY	0.1294, 0.1608, 0.9997
CMYK	0.00, 0.04, 1.00, 0.13
HSL	58°, 100%, 44%
HSV	58°, 100%, 87%
XYZ	54.1703, 63.6227, 9.4270
YIQ	191.9960, 73.4620, -64.8580

# Conversions

## Conversions Part 2

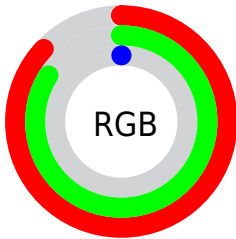
Format	Color
R <sub>Y</sub> B	8, 222, 0
Decimal	14603776
CIE Lab	83.77, -15.49, 83.54
CIE LCh	84, 84.961, 100.503
Yxy	63.6227, 0.4258, 0.5001
Android (android.graphics.Color)	4292793856 (0xFFDED600)
YUV	191.9960, -94.6540, 26.3135
Hunter-Lab	79.7638, -18.3615, 48.8274

# Details

The Yxy color **63.6227, 0.4258, 0.5001** 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 **5.4495, 0.1505, 0.0618**, and the grayscale version is **53.2486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **32.8230, 0.4215, 0.5036** is the 20% darker color. If you saturate the color by 10%, you get **63.6240, 0.4258, 0.5001**, and if you desaturate by 10%, it is **64.0901, 0.4230, 0.4973**.

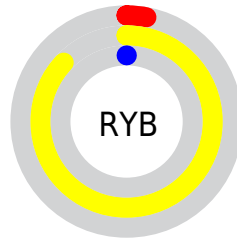
# Distribution



Red (87%)

Green (84%)

Blue (0%)



Red (3%)

Yellow (87%)

Blue (0%)

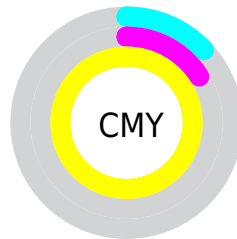


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (16%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6227, 0.4258, 0.5001 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 63.6227, 0.4258, 0.5001 by changing the saturation by 10% instead.




 63.6227, 0.4258,  
0.5001


 63.6227, 0.4258,  
0.5001

437.8259, 0.3824,  
0.4261


 46.3452, 0.4319,  
0.5136


 110.0674, 0.4136,  
0.4768

 32.5183, 0.4371,  
0.5281

 140.0033, 0.4080,  
0.4669

 21.7577, 0.4407,  
0.5433


 174.9275, 0.4027,  
0.4581

 13.6789, 0.4411,  
0.5589

 215.2243, 0.3979,  
0.4503

 7.8977, 0.4315,  
0.5685

 261.2781, 0.3935,  
0.4433

 4.0296, 0.4171,  
0.5829

 313.4734, 0.3895,

 1.6901, 0.3925,


0.4369


0.6075


372.1945, 0.3858,  
0.4312


 0.4172, 0.0424,  
0.9576


 0.0000, 0.0000,  
0.0000


 63.6227, 0.4258,  
0.5001


 63.6227, 0.4258,  
0.5001

 63.6240, 0.4258,  
0.5001

 64.0901, 0.4230,  
0.4973

 64.6241, 0.4180,  
0.4908

 65.2496, 0.4103,  
0.4800

 65.9790, 0.4001,  
0.4649

■ 66.8228, 0.3877,  
0.4461

■ 67.7901, 0.3736,  
0.4245

■ 68.8891, 0.3585,  
0.4011

■ 70.1274, 0.3430,  
0.3769

■ 71.5120, 0.3276,  
0.3526

# Harmonies

## Analogous

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



63.6227, 0.4968, 0.4315



63.6227, 0.4258, 0.5001



63.6227, 0.3323, 0.5278

# Triad

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



63.6227, 0.4258, 0.5001



63.6227, 0.1425, 0.2444



63.6227, 0.3683, 0.2322

# Complementary

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



63.6227, 0.4258, 0.5001



5.4495, 0.1505, 0.0618

# 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.



63.6227, 0.2626, 0.1923



63.6227, 0.4258, 0.5001



63.6227, 0.1489, 0.1922

# Square

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



63.6227, 0.4258, 0.5001



63.6227, 0.1710, 0.3439



63.6227, 0.1878, 0.1777



63.6227, 0.4707, 0.2908



# Rectangle

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



63.6227, 0.4258, 0.5001



63.6227, 0.2683, 0.4971



63.6227, 0.1878, 0.1777



63.6227, 0.3310, 0.2164

# Sweetspot

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



63.6257, 0.4258, 0.5001



94.2698, 0.3589, 0.4018



15.5554, 0.6358, 0.3277



20.0364, 0.3654, 0.4119



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.



63.6257, 0.4258, 0.5001



87.0619, 0.4259, 0.5001



56.3881, 0.3429, 0.5659



15.9405, 0.3268, 0.3513



37.8298, 0.4257, 0.5002



2.6490, 0.4246, 0.5010



# Inverse Universe

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



5.4495, 0.1505, 0.0618



7.4193, 0.1504, 0.0615



7.9818, 0.1918, 0.0831



13.3220, 0.2981, 0.3056



3.2701, 0.1507, 0.0624

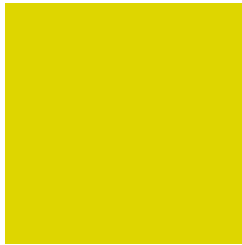


0.2550, 0.1526, 0.0693



# Previews

## White Background



This preview shows how the Yxy color 63.6227, 0.4258, 0.5001 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

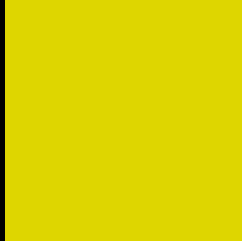
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 63.6227, 0.4258, 0.5001 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 63.6227, 0.4258, 0.5001**

## **Background**



This preview shows how black text looks on a background with the Yxy color 63.6227, 0.4258, 0.5001.



This preview shows how white text looks on a background with the Yxy color 63.6227, 0.4258, 0.5001.

# 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

63.6227, 0.4258, 0.5001

### Deuteranopia

63.4316, 0.4338, 0.4296

### Tritanopia

63.5348, 0.3308, 0.3129

# Trichromacy



## Original Color

63.6227, 0.4258, 0.5001



## Deuteranomaly

63.0651, 0.4377, 0.4626



## Tritanomaly

61.9522, 0.3854, 0.4047

# Monochromacy



## Original Color

63.6227, 0.4258, 0.5001



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

55.4102, 0.3732, 0.4238

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 63.6227, 0.4258, 0.5001 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(222, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 214, 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(222, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 214, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 63.6227, 0.4258, 0.5001 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(222, 214, 0) }
```

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

```
.border{ border-color:rgb(222, 214, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 214,  
0) }
```

# Background

The CSS property to change the background color of an element to Yxy 63.6227, 0.4258, 0.5001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 214, 0) }
```

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

```
.background{ background-color: rgb(222,  
214, 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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