

# Converting Colors

$Y_{xy}(62.8715, 0.4215, 0.5036)$

Have a look what the booklet for  
Yxy(62.8715, 0.4215, 0.5036)  
contains.

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**Color**

**Yxy(62.8448, 0.4218, 0.5033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9D600
RGB	217, 214, 0
RGB Percent	85%, 84%, 0%
CMY	0.1489, 0.1608, 1.0000
CMYK	0.00, 0.01, 1.00, 0.15
HSL	59°, 100%, 43%
HSV	59°, 100%, 85%
XYZ	52.6683, 62.8448, 9.3524
YIQ	190.5010, 70.4820, -65.9180

# Conversions

## Conversions Part 2

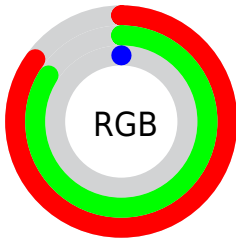
<b>Format</b>	<b>Color</b>
<b>RYB</b>	3, 217, 0
Decimal	14276096
CIELab	83.36, -17.60, 83.07
CIELCh	83, 84.911, 101.960
Yxy	62.8448, 0.4218, 0.5033
Android (android.graphics.Color)	4292466176 (0xFFD9D600)
YUV	190.5010, -93.9170, 23.2396
Hunter-Lab	79.2747, -20.1395, 48.4976

# Details

The Yxy color **62.8448, 0.4218, 0.5033** 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 **5.0771, 0.1502, 0.0607**, and the grayscale version is **52.3237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4681, 0.4035, 0.4791**, and **32.3097, 0.4161, 0.5078** is the 20% darker color. If you saturate the color by 10%, you get **62.8478, 0.4218, 0.5033**, and if you desaturate by 10%, it is **63.0583, 0.4195, 0.5002**.

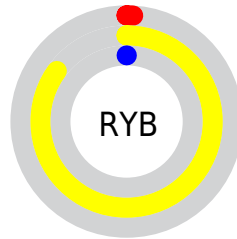
# Distribution



Red (85%)

Green (84%)

Blue (0%)



Red (1%)

Yellow (85%)

Blue (0%)

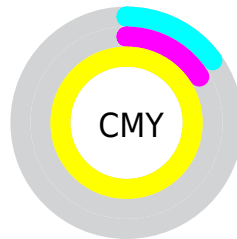


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (16%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.8448, 0.4218, 0.5033 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 62.8448, 0.4218, 0.5033 by changing the saturation by 10% instead.




 62.8448, 0.4218,  
0.5033


 62.8448, 0.4218,  
0.5033


435.0060, 0.3802,  
0.4271


 45.7157, 0.4274,  
0.5174


 108.9456, 0.4102,  
0.4791


 32.0215, 0.4321,  
0.5327


 138.6860, 0.4048,  
0.4690


 21.3779, 0.4350,  
0.5490


 173.3990, 0.3998,  
0.4599

 13.4005, 0.4342,  
0.5658


 213.4689, 0.3952,  
0.4518

 7.7049, 0.4232,  
0.5768

 259.2802, 0.3910,  
0.4446

 3.9067, 0.4063,  
0.5937

 311.2172, 0.3871,

 1.6215, 0.3776,

0.4382

0.6224

369.6643, 0.3835,  
0.4323

■ 0.3720, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.8448, 0.4218,  
0.5033

■ 62.8448, 0.4218,  
0.5033

■ 62.8478, 0.4218,  
0.5033

■ 63.0583, 0.4195,  
0.5002

■ 63.3329, 0.4150,  
0.4935

■ 63.6926, 0.4079,  
0.4824

■ 64.1492, 0.3983,  
0.4672

■ 64.7127, 0.3864,  
0.4482

■ 65.3917, 0.3728,  
0.4264

■ 66.1939, 0.3581,  
0.4026

■ 67.1265, 0.3428,  
0.3779

■ 68.1960, 0.3276,  
0.3532

# Harmonies

## Analogous

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



62.8448, 0.4947, 0.4353



62.8448, 0.4218, 0.5033



62.8448, 0.3275, 0.5278

# Triad

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



62.8448, 0.4218, 0.5033



62.8448, 0.1416, 0.2405



62.8448, 0.3740, 0.2344

# Complementary

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



62.8448, 0.4218, 0.5033



5.0771, 0.1502, 0.0607

# 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.



62.8448, 0.2670, 0.1934



62.8448, 0.4218, 0.5033



62.8448, 0.1496, 0.1903

# Square

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



62.8448, 0.4218, 0.5033



62.8448, 0.1683, 0.3381



62.8448, 0.1902, 0.1774



62.8448, 0.4752, 0.2937



# Rectangle

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



62.8448, 0.4218, 0.5033



62.8448, 0.2636, 0.4938



62.8448, 0.1902, 0.1774



62.8448, 0.3364, 0.2182

# Sweetspot

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



62.8478, 0.4218, 0.5033



95.3343, 0.3585, 0.4033



14.7642, 0.6386, 0.3292



20.2959, 0.3648, 0.4135



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.



62.8478, 0.4218, 0.5033



90.5274, 0.4218, 0.5033



53.0945, 0.3382, 0.5697



15.2310, 0.3267, 0.3518



38.0470, 0.4218, 0.5033



2.4751, 0.4213, 0.5037



# Inverse Universe

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



5.0771, 0.1502, 0.0607



7.2974, 0.1502, 0.0606



8.0084, 0.1981, 0.0865



12.6462, 0.2981, 0.3052



3.0852, 0.1503, 0.0609

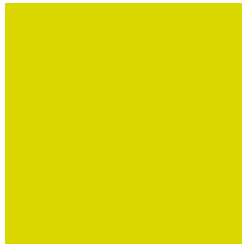


0.2104, 0.1511, 0.0638



# Previews

## White Background



This preview shows how the Yxy color 62.8448, 0.4218, 0.5033 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 62.8448, 0.4218, 0.5033 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 62.8448, 0.4218, 0.5033**

## Background



This preview shows how black text looks on a background with the Yxy color 62.8448, 0.4218, 0.5033.



This preview shows how white text looks on a background with the Yxy color 62.8448, 0.4218, 0.5033.

# 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

62.8448, 0.4218, 0.5033

### Protanopia

62.6042, 0.4406, 0.4883

### Deuteranopia

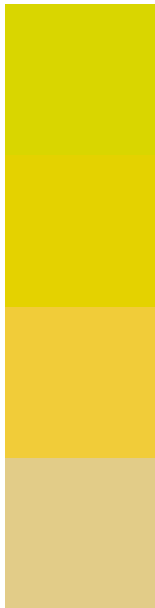
62.3864, 0.4393, 0.4331



## Tritanopia

62.6908, 0.3268, 0.3127

# Trichromacy



## Original Color

62.8448, 0.4218, 0.5033

## Protanomaly

62.5872, 0.4341, 0.4936

## Deuteranomaly

62.1819, 0.4388, 0.4655

## Tritanomaly

61.1321, 0.3811, 0.4059

# Monochromacy



## Original Color

62.8448, 0.4218, 0.5033

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

54.5313, 0.3710, 0.4237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.8448, 0.4218, 0.5033 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(217, 214, 0)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 214, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 214, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 62.8448, 0.4218, 0.5033 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(217, 214, 0) }
```

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

```
.border{ border-color:rgb(217, 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(217, 214, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 214, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 214, 0);  
box-shadow:4px 4px 4px 4px rgb(217, 214,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.8448, 0.4218, 0.5033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 214, 0) }
```

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

```
.background{ background-color: rgb(217,  
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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