

# Converting Colors

$Yxy(62.4759, 0.3736, 0.4433)$

Have a look what the booklet for  
Yxy(62.4759, 0.3736, 0.4433)  
contains.

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# Color

**Yxy(62.4759, 0.3736, 0.4433)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEDE674
RGB	206, 214, 116
RGB Percent	81%, 84%, 45%
CMY	0.1921, 0.1608, 0.5451
CMYK	0.04, 0.00, 0.46, 0.16
HSL	65°, 54%, 65%
HSV	65°, 46%, 84%
XYZ	52.6528, 62.4759, 25.8050
YIQ	200.4360, 26.6900, -32.1740

# Conversions

## Conversions Part 2

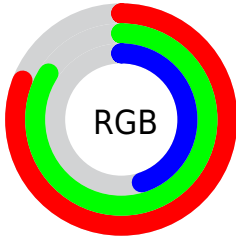
Format	Color
<a href="#">RYB</a>	<a href="#">116, 214, 124</a>
Decimal	<a href="#">13555316</a>
CIELab	<a href="#">83.17, -16.80, 47.21</a>
CIELCh	<a href="#">83, 50.106, 109.585</a>
Yxy	<a href="#">62.4759, 0.3736, 0.4433</a>
Android (android.graphics.Color)	<a href="#">4291745396 (0xFFCED674)</a>
YUV	<a href="#">200.4360, -41.6269, 4.8796</a>
Hunter-Lab	<a href="#">79.0417, -19.4170, 35.9726</a>

# Details

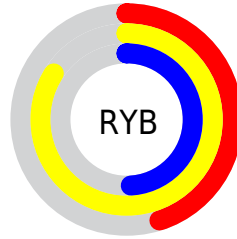
The Yxy color **62.4759, 0.3736, 0.4433** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.6302, 0.2327, 0.1886**, and the grayscale version is **58.2927, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6823, 0.3632, 0.4124**, and **31.6505, 0.3857, 0.4714** is the 20% darker color. If you saturate the color by 10%, you get **61.7880, 0.3845, 0.4652**, and if you desaturate by 10%, it is **63.2869, 0.3612, 0.4192**.

# Distribution



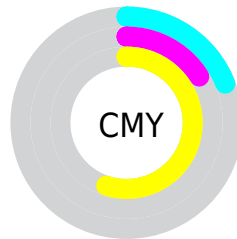
- Red (81%)
- Green (84%)
- Blue (45%)



- Red (45%)
- Yellow (84%)
- Blue (49%)



- Cyan (4%)
- Magenta (0%)
- Yellow (46%)
- Black (16%)




- Cyan (19%)
- Magenta (16%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.4759, 0.3736, 0.4433 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 62.4759, 0.3736, 0.4433 by changing the saturation by 10% instead.




 62.4759, 0.3736,  
0.4433

 62.4759, 0.3736,  
0.4433


433.6649, 0.3469,  
0.3885

 45.4173, 0.3790,  
0.4559


 108.4130, 0.3649,  
0.4241

 31.7863, 0.3850,  
0.4713


 138.0604, 0.3613,  
0.4167

 21.1983, 0.3918,  
0.4905


 172.6729, 0.3581,  
0.4103

 13.2690, 0.3986,  
0.5145

212.6348, 0.3554,  
0.4048

 7.6141, 0.4046,  
0.5454

258.3305, 0.3529,  
0.3999

 3.8490, 0.4097,  
0.5903

310.1446, 0.3507,

 1.5895, 0.3820,

0.3957

0.6180

368.4612, 0.3487,  
0.3919

■ 0.3505, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 62.4759, 0.3736,  
0.4433

■ 62.4759, 0.3736,  
0.4433

■ 61.7880, 0.3845,  
0.4652

■ 63.2869, 0.3612,  
0.4192

■ 61.2068, 0.3933,  
0.4839


■ 64.2198, 0.3479,  
0.3938


■ 60.7261, 0.3997,  
0.4986

■ 65.2841, 0.3341,  
0.3682


■ 60.3354, 0.4035,  
0.5089

■ 66.4859, 0.3205,  
0.3431

 60.0216, 0.4048,  
0.5149

 67.8310, 0.3072,  
0.3190

 59.9029, 0.4050,  
0.5167

 69.3248, 0.2946,  
0.2964

 70.2572, 0.2892,  
0.2859

 70.5284, 0.2904,  
0.2860

 70.8025, 0.2916,  
0.2862

# Harmonies

## Analogous

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



62.4759, 0.4209, 0.4158



62.4759, 0.3736, 0.4433



62.4759, 0.3126, 0.4354

# Triad

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



62.4759, 0.3736, 0.4433



62.4759, 0.2004, 0.2672



62.4759, 0.3673, 0.2786

# Complementary

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



62.4759, 0.3736, 0.4433



21.6302, 0.2327, 0.1886

# 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.



62.4759, 0.3023, 0.2461



62.4759, 0.3736, 0.4433



62.4759, 0.2113, 0.2370

# Square

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



62.4759, 0.3736, 0.4433



62.4759, 0.2150, 0.3214



62.4759, 0.2464, 0.2310



62.4759, 0.4198, 0.3226



# Rectangle

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



62.4759, 0.3736, 0.4433



62.4759, 0.2727, 0.4068



62.4759, 0.2464, 0.2310



62.4759, 0.3458, 0.2661

# Sweetspot

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



62.4787, 0.3736, 0.4433



97.3616, 0.3319, 0.3640



29.6074, 0.4320, 0.3374



20.7603, 0.3349, 0.3696



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.



62.4787, 0.3736, 0.4433



91.9045, 0.3842, 0.4647



56.6731, 0.3356, 0.4595



14.4660, 0.3254, 0.3521



36.2272, 0.4052, 0.5165



2.2006, 0.4078, 0.5144



# Inverse Universe

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



21.6302, 0.2327, 0.1886



23.8755, 0.2127, 0.1549



26.0633, 0.2754, 0.2034



12.0567, 0.2994, 0.3050



3.0275, 0.1528, 0.0616



0.1998, 0.1613, 0.0662



# Previews

## White Background



This preview shows how the Yxy color 62.4759, 0.3736, 0.4433 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 62.4759, 0.3736, 0.4433 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

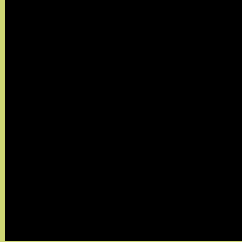
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.4759, 0.3736, 0.4433**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.4759, 0.3736, 0.4433.



This preview shows how white text looks on a background with the Yxy color 62.4759, 0.3736, 0.4433.

# 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

62.4759, 0.3736, 0.4433

### Protanopia

62.3345, 0.3966, 0.4311

### Deuteranopia

61.9840, 0.4181, 0.4081



## Tritanopia

62.2084, 0.3136, 0.3112

# Trichromacy



## Original Color

62.4759, 0.3736, 0.4433

## Protanomaly

62.5466, 0.3877, 0.4357

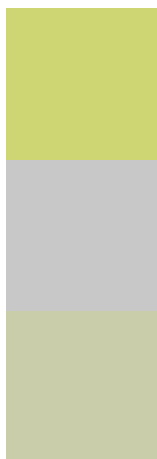
## Deuteranomaly

61.7059, 0.4012, 0.4200

## Tritanomaly

61.7750, 0.3371, 0.3581

# Monochromacy



## Original Color

62.4759, 0.3736, 0.4433

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

59.0838, 0.3365, 0.3726

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.4759, 0.3736, 0.4433 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(206, 214, 116)` looks like.

```
.text, #text, p{  
    color:rgb(206, 214, 116)  
}
```

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(206, 214, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 214, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 62.4759, 0.3736, 0.4433 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(206, 214, 116) }
```

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

```
.border{ border-color:rgb(206, 214, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 214, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 214, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 214, 116);  
box-shadow:4px 4px 4px 4px rgb(206, 214,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.4759, 0.3736, 0.4433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 214, 116) }
```

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

```
.background{ background-color: rgb(206,  
214, 116) }
```

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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