

# Converting Colors

Yxy(67.4396, 0.3875, 0.4559)

Have a look what the booklet for  
Yxy(67.4396, 0.3875, 0.4559)  
contains.

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# Color

**Yxy(67.2459, 0.3882, 0.4556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBDC68
RGB	219, 220, 104
RGB Percent	86%, 86%, 41%
CMY	0.1413, 0.1372, 0.5922
CMYK	0.00, 0.00, 0.53, 0.14
HSL	61°, 62%, 64%
HSV	61°, 53%, 86%
XYZ	57.2978, 67.2459, 23.0549
YIQ	206.4770, 36.6400, -36.2880

# Conversions

## Conversions Part 2

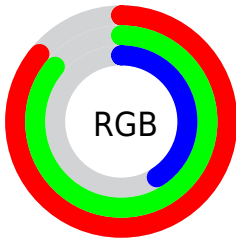
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 220, 105
Decimal	14408808
CIELab	85.63, -15.67, 56.01
CIELCh	86, 58.166, 105.631
Yxy	67.2459, 0.3882, 0.4556
Android (android.graphics.Color)	4292598888 (0xFFDBDC68)
YUV	206.4770, -50.5212, 10.9827
Hunter-Lab	82.0036, -18.7843, 40.7334

# Details

The Yxy color **67.2459, 0.3882, 0.4556** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **18.0742, 0.2121, 0.1618**, and the grayscale version is **62.3547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **34.8307, 0.4015, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **66.8279, 0.3990, 0.4739**, and if you desaturate by 10%, it is **67.7868, 0.3755, 0.4341**.

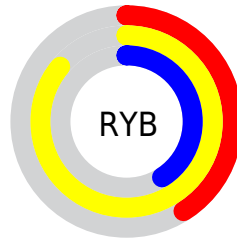
# Distribution



Red (86%)

Green (86%)

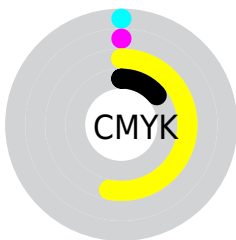
Blue (41%)



Red (41%)

Yellow (86%)

Blue (41%)

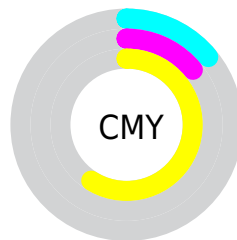


Cyan (0%)

Magenta (0%)

Yellow (53%)

Black (14%)



Cyan (14%)

Magenta (14%)


Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 67.2459, 0.3882, 0.4556 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 67.2459, 0.3882, 0.4556 by changing the saturation by 10% instead.



 67.2459, 0.3882,  
0.4556


 67.2459, 0.3882,  
0.4556

450.8196, 0.3560,  
0.3967

 49.2845, 0.3944,  
0.4685


 115.2727, 0.3779,  
0.4355

 34.8452, 0.4012,  
0.4839


 146.1069, 0.3736,  
0.4275

 23.5437, 0.4084,  
0.5024


 182.0007, 0.3698,  
0.4206

 14.9955, 0.4153,  
0.5244

 223.3387, 0.3664,  
0.4146

 8.8162, 0.4226,  
0.5536

270.5052, 0.3634,  
0.4093

 4.6215, 0.4195,  
0.5805

323.8846, 0.3606,

 2.0269, 0.3972,

0.4046

0.6028

383.8612, 0.3582,  
0.4004

0.6231, 0.2517,  
0.7483

0.0000, 0.0000,  
0.0000

67.2459, 0.3882,  
0.4556

67.2459, 0.3882,  
0.4556

66.8279, 0.3990,  
0.4739

67.7868, 0.3755,  
0.4341

66.5142, 0.4075,  
0.4884


68.4495, 0.3614,  
0.4104


66.2971, 0.4133,  
0.4985

69.2446, 0.3465,  
0.3856


66.1639, 0.4166,  
0.5043


70.1791, 0.3315,  
0.3604

 66.1042, 0.4177,  
0.5065

 71.2595, 0.3167,  
0.3356

 72.4918, 0.3024,  
0.3119

 73.6863, 0.2908,  
0.2925

 73.7175, 0.2910,  
0.2925

 73.7486, 0.2911,  
0.2925

# Harmonies

## Analogous

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



67.2459, 0.4388, 0.4188



67.2459, 0.3882, 0.4556



67.2459, 0.3207, 0.4550

# Triad

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



67.2459, 0.3882, 0.4556



67.2459, 0.1881, 0.2651



67.2459, 0.3647, 0.2669

# Complementary

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



67.2459, 0.3882, 0.4556



18.0742, 0.2121, 0.1618

# 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.



67.2459, 0.2912, 0.2334



67.2459, 0.3882, 0.4556



67.2459, 0.1966, 0.2287

# Square

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



67.2459, 0.3882, 0.4556



67.2459, 0.2075, 0.3291



67.2459, 0.2317, 0.2194



67.2459, 0.4281, 0.3139



# Rectangle

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



67.2459, 0.3882, 0.4556



67.2459, 0.2753, 0.4263



67.2459, 0.2317, 0.2194



67.2459, 0.3399, 0.2539

# Sweetspot

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



67.2490, 0.3882, 0.4556



97.5754, 0.3366, 0.3689



26.1175, 0.4663, 0.3295



20.8267, 0.3397, 0.3741



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.



67.2490, 0.3882, 0.4556



93.3201, 0.3998, 0.4752



59.8761, 0.3433, 0.4780



15.2576, 0.3265, 0.3521



38.7925, 0.4178, 0.5065



2.5151, 0.4180, 0.5063



# Inverse Universe

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



18.0742, 0.2121, 0.1618



17.7639, 0.1903, 0.1257



22.7502, 0.2603, 0.1807



12.6228, 0.2982, 0.3048



3.0428, 0.1503, 0.0602



0.1991, 0.1512, 0.0607



# Previews

## White Background



This preview shows how the Yxy color 67.2459, 0.3882, 0.4556 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 67.2459, 0.3882, 0.4556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

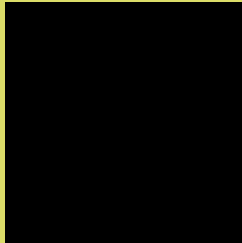
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 67.2459, 0.3882, 0.4556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 67.2459, 0.3882, 0.4556.



This preview shows how white text looks on a background with the Yxy color 67.2459, 0.3882, 0.4556.

# 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

67.2459, 0.3882, 0.4556

### Protanopia

67.0570, 0.4072, 0.4450

### Deuteranopia

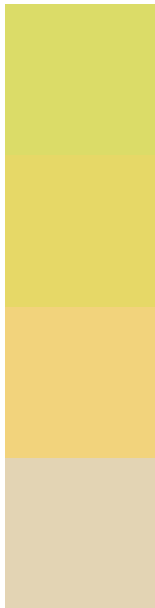
67.1519, 0.4049, 0.4017



## Tritanopia

66.9423, 0.3195, 0.3119

# Trichromacy



**Original Color**

67.2459, 0.3882, 0.4556

**Protanomaly**

66.9140, 0.3998, 0.4486

**Deuteranomaly**

66.9210, 0.3994, 0.4206

**Tritanomaly**

66.7131, 0.3470, 0.3648

# Monochromacy



**Original Color**

67.2459, 0.3882, 0.4556

**Achromatopsia**

61.7207, 0.3127, 0.3290

**Achromatomaly**

63.3020, 0.3425, 0.3782

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 67.2459, 0.3882, 0.4556 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, 220, 104)` looks like.

```
.text, #text, p{  
    color:rgb(219, 220, 104)  
}
```

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, 220, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 220, 104) }
```

## Border

The CSS property to change the border of an element to Yxy 67.2459, 0.3882, 0.4556 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, 220, 104) }
```

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

```
.border{ border-color:rgb(219, 220, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 220, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 220, 104); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 220, 104); box-shadow:4px 4px 4px 4px rgb(219, 220, 104) }
```



# Background

The CSS property to change the background color of an element to Yxy 67.2459, 0.3882, 0.4556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 220, 104) }
```

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

```
.background{ background-color: rgb(219,  
220, 104) }
```

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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