

# Converting Colors

$Yxy(66.9947, 0.3982, 0.4744)$

Have a look what the booklet for  
Yxy(66.9947, 0.3982, 0.4744)  
contains.

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# Color

**Yxy(66.7010, 0.3984, 0.4743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DADC52
RGB	218, 220, 82
RGB Percent	85%, 86%, 32%
CMY	0.1451, 0.1372, 0.6785
CMYK	0.01, 0.00, 0.63, 0.14
HSL	61°, 66%, 59%
HSV	61°, 63%, 86%
XYZ	56.0272, 66.7010, 17.9023
YIQ	203.6700, 43.1060, -43.3420

# Conversions

## Conversions Part 2

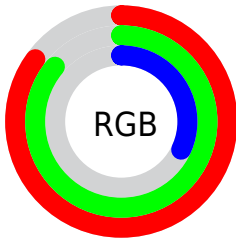
Format	Color
<a href="#">RYB</a>	82, 220, 84
Decimal	14343250
CIELab	85.35, -17.63, 65.18
CIELCh	85, 67.522, 105.136
Yxy	66.7010, 0.3984, 0.4743
Android (android.graphics.Color)	4292533330 (0xFFDADC52)
YUV	203.6700, -59.9833, 12.5674
Hunter-Lab	81.6707, -20.4704, 44.1731

# Details

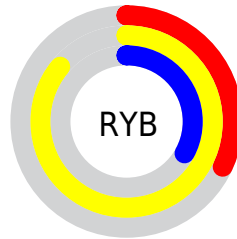
The Yxy color **66.7010, 0.3984, 0.4743** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **13.0869, 0.1923, 0.1284**, and the grayscale version is **60.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **34.4275, 0.4113, 0.5046** is the 20% darker color. If you saturate the color by 10%, you get **66.3716, 0.4068, 0.4888**, and if you desaturate by 10%, it is **67.1440, 0.3877, 0.4559**.

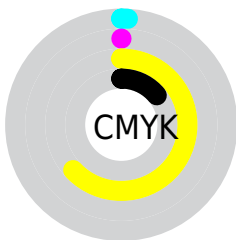
# Distribution



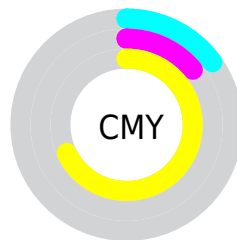
- Red (85%)
- Green (86%)
- Blue (32%)



- Red (32%)
- Yellow (86%)
- Blue (33%)



- Cyan (1%)
- Magenta (0%)
- Yellow (63%)
- Black (14%)




- Cyan (15%)
- Magenta (14%)
- Yellow (68%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 66.7010, 0.3984, 0.4743 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 66.7010, 0.3984, 0.4743 by changing the saturation by 10% instead.





 66.7010, 0.3984,  
0.4743


 66.7010, 0.3984,  
0.4743


448.8797, 0.3631,  
0.4076

 48.8417, 0.4046,  
0.4883

 114.4919, 0.3875,  
0.4519


 34.4939, 0.4110,  
0.5047


 145.1922, 0.3829,  
0.4429

 23.2733, 0.4170,  
0.5237


 180.9417, 0.3787,  
0.4351

 14.7954, 0.4213,  
0.5452

 222.1247, 0.3749,  
0.4282

 8.6759, 0.4256,  
0.5744

269.1256, 0.3715,  
0.4222

 4.5304, 0.4102,  
0.5898

322.3288, 0.3684,

 1.9745, 0.3846,

0.4168

0.6154

382.1187, 0.3656,  
0.4119

0.5926, 0.1831,  
0.8169

0.0000, 0.0000,  
0.0000

66.7010, 0.3984,  
0.4743

66.7010, 0.3984,  
0.4743

66.3716, 0.4068,  
0.4888

67.1440, 0.3877,  
0.4559

66.1358, 0.4125,  
0.4991


67.7007, 0.3750,  
0.4343

65.9839, 0.4157,  
0.5050

68.3823, 0.3611,  
0.4105


65.9107, 0.4168,  
0.5073


69.1964, 0.3463,  
0.3856

 70.1500, 0.3314,  
0.3604

 71.2495, 0.3166,  
0.3356

 72.5009, 0.3025,  
0.3119

 73.7151, 0.2910,  
0.2925

 73.7655, 0.2912,  
0.2925

# Harmonies

## Analogous

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



66.7010, 0.4572, 0.4281



66.7010, 0.3984, 0.4743



66.7010, 0.3211, 0.4784

# Triad

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



66.7010, 0.3984, 0.4743



66.7010, 0.1714, 0.2549



66.7010, 0.3711, 0.2571

# Complementary

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



66.7010, 0.3984, 0.4743



13.0869, 0.1923, 0.1284

# 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.



66.7010, 0.2858, 0.2202



66.7010, 0.3984, 0.4743



66.7010, 0.1805, 0.2145

# Square

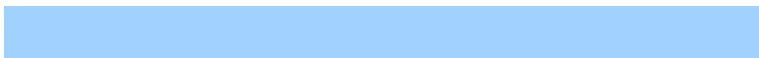
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



66.7010, 0.3984, 0.4743



66.7010, 0.1927, 0.3291



66.7010, 0.2189, 0.2046



66.7010, 0.4461, 0.3092



# Rectangle

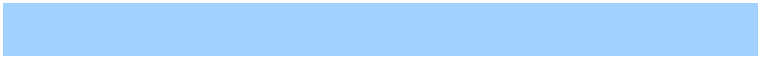
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66.7010, 0.3984, 0.4743



66.7010, 0.2692, 0.4457



66.7010, 0.2189, 0.2046



66.7010, 0.3420, 0.2428

# Sweetspot

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



66.7041, 0.3984, 0.4743



97.1288, 0.3410, 0.3766



21.8599, 0.5135, 0.3296



20.7108, 0.3453, 0.3839



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.



66.7041, 0.3984, 0.4743



92.6205, 0.4087, 0.4923



58.3797, 0.3456, 0.5059



15.2537, 0.3265, 0.3521



38.6833, 0.4168, 0.5073



2.5093, 0.4172, 0.5069



# Inverse Universe

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



13.0869, 0.1923, 0.1284



12.0360, 0.1705, 0.0926



17.7809, 0.2472, 0.1531



12.6262, 0.2983, 0.3048



3.0490, 0.1505, 0.0603



0.2008, 0.1520, 0.0611



# Previews

## White Background



This preview shows how the Yxy color 66.7010, 0.3984, 0.4743 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 66.7010, 0.3984, 0.4743 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 66.7010, 0.3984, 0.4743**

## **Background**



This preview shows how black text looks on a background with the Yxy color 66.7010, 0.3984, 0.4743.



This preview shows how white text looks on a background with the Yxy color 66.7010, 0.3984, 0.4743.

# 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

66.7010, 0.3984, 0.4743

### Protanopia

66.3448, 0.4200, 0.4606

### Deuteranopia

66.4549, 0.4111, 0.4084



## Tritanopia

66.4055, 0.3203, 0.3118

# Trichromacy



## Original Color

66.7010, 0.3984, 0.4743

## Protanomaly

66.6947, 0.4119, 0.4656

## Deuteranomaly

66.1181, 0.4083, 0.4317

## Tritanomaly

65.6976, 0.3530, 0.3740

# Monochromacy



## Original Color

66.7010, 0.3984, 0.4743

## Achromatopsia

60.3827, 0.3127, 0.3290

## Achromatomaly

62.1866, 0.3476, 0.3882

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 66.7010, 0.3984, 0.4743 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(218, 220, 82)` looks like.

```
.text, #text, p{  
    color:rgb(218, 220, 82)  
}
```

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(218, 220, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 220, 82) }
```

## Border

The CSS property to change the border of an element to Yxy 66.7010, 0.3984, 0.4743 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(218, 220, 82) }
```

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

```
.border{ border-color:rgb(218, 220, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 220, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 220, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 220, 82);  
box-shadow:4px 4px 4px 4px rgb(218, 220,  
82) }
```



# Background

The CSS property to change the background color of an element to Yxy 66.7010, 0.3984, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 220, 82) }
```

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

```
.background{ background-color: rgb(218,  
220, 82) }
```

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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