

# Converting Colors

$Yxy(62.3257, 0.4194, 0.4739)$

Have a look what the booklet for  
Yxy(62.3257, 0.4194, 0.4739)  
contains.

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**Color**

**Yxy(62.1398, 0.4200, 0.4737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2D140
RGB	226, 209, 64
RGB Percent	89%, 82%, 25%
CMY	0.1136, 0.1804, 0.7489
CMYK	0.00, 0.08, 0.72, 0.11
HSL	54°, 74%, 57%
HSV	54°, 72%, 89%
XYZ	55.0955, 62.1398, 13.9444
YIQ	197.5530, 56.6770, -41.4910

# Conversions

## Conversions Part 2

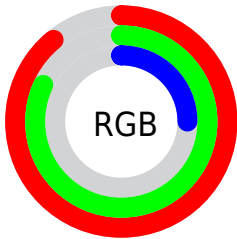
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	83, 226, 64
Decimal	14864704
CIE <sub>Lab</sub>	82.99, -9.77, 69.86
CIE <sub>LCh</sub>	83, 70.537, 97.965
Yxy	62.1398, 0.4200, 0.4737
Android (android.graphics.Color)	4293054784 (0xFFE2D140)
YUV	197.5530, -65.8416, 24.9480
Hunter-Lab	78.8288, -13.1922, 44.6921

# Details

The Yxy color **62.1398, 0.4200, 0.4737** 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 **12.4756, 0.1796, 0.1192**, and the grayscale version is **56.5725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1605, 0.3893, 0.4557**, and **31.6582, 0.4324, 0.4949** is the 20% darker color. If you saturate the color by 10%, you get **60.7785, 0.4292, 0.4831**, and if you desaturate by 10%, it is **63.6285, 0.4082, 0.4600**.

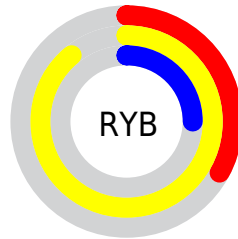
# Distribution



Red (89%)

Green (82%)

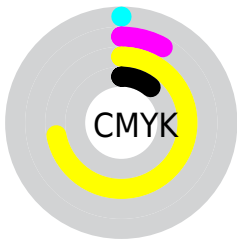
Blue (25%)



Red (33%)

Yellow (89%)

Blue (25%)

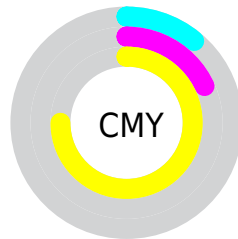


Cyan (0%)

Magenta (8%)

Yellow (72%)

Black (11%)



Cyan (11%)

Magenta (18%)


Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.1398, 0.4200, 0.4737 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 62.1398, 0.4200, 0.4737 by changing the saturation by 10% instead.





 62.1398, 0.4200,  
0.4737

 62.1398, 0.4200,  
0.4737


432.4409, 0.3750,  
0.4091


 45.1457, 0.4279,  
0.4865

 107.9276, 0.4061,  
0.4526


 31.5722, 0.4362,  
0.5008


 137.4900, 0.4001,  
0.4439

 21.0349, 0.4440,  
0.5164


 172.0106, 0.3947,  
0.4363

 13.1495, 0.4524,  
0.5354

 211.8739, 0.3899,  
0.4296

 7.5316, 0.4519,  
0.5481

 257.4641, 0.3856,  
0.4236

 3.7967, 0.4426,  
0.5574

309.1658, 0.3817,

 1.5605, 0.4267,

0.4182

0.5733

367.3632, 0.3782,  
0.4134

■ 0.3308, 0.1864,  
0.8136

■ 0.0000, 0.0000,  
0.0000

■ 62.1398, 0.4200,  
0.4737

■ 62.1398, 0.4200,  
0.4737

■ 60.7785, 0.4292,  
0.4831

■ 63.6285, 0.4082,  
0.4600

■ 59.5223, 0.4357,  
0.4881

■ 65.2472, 0.3942,  
0.4425

■ 58.5400, 0.4393,  
0.4894

■ 67.0087, 0.3789,  
0.4223

■ 68.9217, 0.3627,  
0.4004

70.9943, 0.3464,  
0.3776

73.2340, 0.3305,  
0.3548

75.6476, 0.3152,  
0.3326

78.2416, 0.3008,  
0.3115

80.1942, 0.2948,  
0.3038

# Harmonies

## Analogous

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



62.1398, 0.4755, 0.4177



62.1398, 0.4200, 0.4737



62.1398, 0.3406, 0.4944

# Triad

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



62.1398, 0.4200, 0.4737



62.1398, 0.1657, 0.2650



62.1398, 0.3525, 0.2418

# Complementary

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



62.1398, 0.4200, 0.4737



12.4756, 0.1796, 0.1192

# 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.



62.1398, 0.2643, 0.2080



62.1398, 0.4200, 0.4737



62.1398, 0.1681, 0.2143

# Square

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



62.1398, 0.4200, 0.4737



62.1398, 0.1955, 0.3518



62.1398, 0.2008, 0.1974



62.1398, 0.4392, 0.2932



# Rectangle

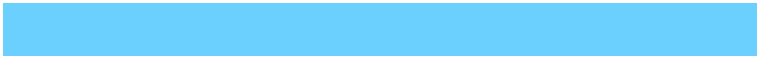
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



62.1398, 0.4200, 0.4737



62.1398, 0.2847, 0.4711



62.1398, 0.2008, 0.1974



62.1398, 0.3215, 0.2282

# Sweetspot

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



62.1427, 0.4200, 0.4737



93.1951, 0.3472, 0.3787



20.4656, 0.5306, 0.3124



19.7844, 0.3516, 0.3849



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.



62.1427, 0.4200, 0.4737



79.0736, 0.4328, 0.4861



62.6590, 0.3596, 0.5189



15.7705, 0.3270, 0.3498



33.4944, 0.4390, 0.4896



2.3933, 0.4356, 0.4924



# Inverse Universe

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



12.4756, 0.1796, 0.1192



10.6914, 0.1605, 0.0844



13.6074, 0.2177, 0.1225



13.4739, 0.2981, 0.3073



3.5813, 0.1521, 0.0676



0.3277, 0.1573, 0.0862



# Previews

## White Background



This preview shows how the Yxy color 62.1398, 0.4200, 0.4737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

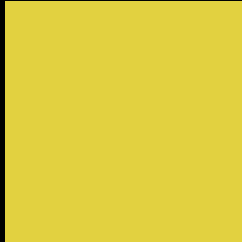
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.1398, 0.4200, 0.4737 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 62.1398, 0.4200, 0.4737**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.1398, 0.4200, 0.4737.



This preview shows how white text looks on a background with the Yxy color 62.1398, 0.4200, 0.4737.

# 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

62.1398, 0.4200, 0.4737

### Protanopia

62.1516, 0.4264, 0.4689

### Deuteranopia

61.9138, 0.4406, 0.4330



## Tritanopia

61.8605, 0.3359, 0.3129

# Trichromacy



## Original Color

62.1398, 0.4200, 0.4737

## Protanomaly

62.3049, 0.4240, 0.4708

## Deuteranomaly

61.5856, 0.4336, 0.4477

## Tritanomaly

61.2353, 0.3735, 0.3770

# Monochromacy



## Original Color

62.1398, 0.4200, 0.4737

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

57.8209, 0.3570, 0.3928

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.1398, 0.4200, 0.4737 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(226, 209, 64)` looks like.

```
.text, #text, p{  
    color:rgb(226, 209, 64)  
}
```

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(226, 209, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 209, 64) }
```

## Border

The CSS property to change the border of an element to Yxy 62.1398, 0.4200, 0.4737 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(226, 209, 64) }
```

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

```
.border{ border-color:rgb(226, 209, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 209, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 209, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 209, 64);  
box-shadow:4px 4px 4px 4px rgb(226, 209,  
64) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.1398, 0.4200, 0.4737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 209, 64) }
```

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

```
.background{ background-color: rgb(226,  
209, 64) }
```

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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