

# Converting Colors

Yxy(73.4608, 0.4136, 0.4903)

Have a look what the booklet for  
Yxy(73.4608, 0.4136, 0.4903)  
contains.

<b>Yxy(73.4608, 0.4136, 0.4903)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(73.4608, 0.4136, 0.4903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8E536
RGB	232, 229, 54
RGB Percent	91%, 90%, 21%
CMY	0.0901, 0.1020, 0.7884
CMYK	0.00, 0.01, 0.77, 0.09
HSL	59°, 79%, 56%
HSV	59°, 77%, 91%
XYZ	61.9690, 73.4608, 14.3985
YIQ	209.9470, 57.9630, -53.7890

# Conversions

## Conversions Part 2

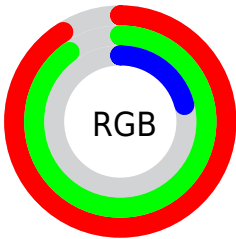
Format	Color
<a href="#">RYB</a>	<a href="#">57, 232, 54</a>
Decimal	<a href="#">15263030</a>
CIELab	<a href="#">88.67, -17.59, 78.57</a>
CIELCh	<a href="#">89, 80.512, 102.621</a>
Yxy	<a href="#">73.4608, 0.4136, 0.4903</a>
Android (android.graphics.Color)	<a href="#">4293453110 (0xFFE8E536)</a>
YUV	<a href="#">209.9470, -76.8819, 19.3405</a>
Hunter-Lab	<a href="#">85.7093, -20.9333, 50.0362</a>

# Details

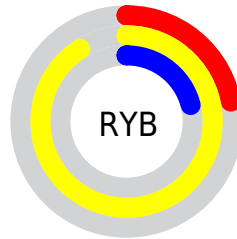
The Yxy color **73.4608, 0.4136, 0.4903** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **9.5364, 0.1682, 0.0914**, and the grayscale version is **64.9000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **39.0428, 0.4173, 0.5068** is the 20% darker color. If you saturate the color by 10%, you get **73.0781, 0.4189, 0.4983**, and if you desaturate by 10%, it is **73.9547, 0.4056, 0.4779**.

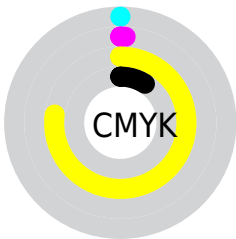
# Distribution



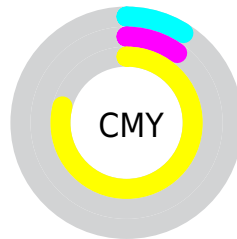
- Red (91%)
- Green (90%)
- Blue (21%)



- Red (22%)
- Yellow (91%)
- Blue (21%)



- Cyan (0%)
- Magenta (1%)
- Yellow (77%)
- Black (9%)




- Cyan (9%)
- Magenta (10%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.4608, 0.4136, 0.4903 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 73.4608, 0.4136, 0.4903 by changing the saturation by 10% instead.





 73.4608, 0.4136,  
0.4903

 73.4608, 0.4136,  
0.4903

472.6103, 0.3746,  
0.4200


 54.3528, 0.4196,  
0.5039


 124.1312, 0.4023,  
0.4677

 38.8838, 0.4253,  
0.5190


 156.4623, 0.3972,  
0.4583

 26.6694, 0.4300,  
0.5355


 193.9700, 0.3925,  
0.4500

 17.3251, 0.4335,  
0.5546

 237.0387, 0.3883,  
0.4426

 10.4665, 0.4296,  
0.5704

 286.0526, 0.3844,  
0.4360

 5.7094, 0.4162,  
0.5838


341.3963, 0.3808,

 2.6692, 0.3949,


0.4301


0.6051


403.4541, 0.3776,  
0.4248


 0.9616, 0.3341,  
0.6659

 0.0000, 0.0000,  
0.0000


 73.4608, 0.4136,  
0.4903


 73.4608, 0.4136,  
0.4903


 73.0781, 0.4189,  
0.4983


 73.9547, 0.4056,  
0.4779

 72.7797, 0.4217,  
0.5021

 74.5626, 0.3951,  
0.4614

 72.6923, 0.4223,  
0.5029

 75.2991, 0.3825,  
0.4415

 76.1740, 0.3684,  
0.4189

■ 77.1962, 0.3533,  
0.3947

■ 78.3738, 0.3379,  
0.3699

■ 79.7145, 0.3227,  
0.3452

■ 81.2252, 0.3080,  
0.3213

■ 82.4007, 0.2987,  
0.3063

# Harmonies

## Analogous

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



73.4608, 0.4794, 0.4316



73.4608, 0.4136, 0.4903



73.4608, 0.3269, 0.5061

# Triad

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



73.4608, 0.4136, 0.4903



73.4608, 0.1547, 0.2483



73.4608, 0.3708, 0.2434

# Complementary

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



73.4608, 0.4136, 0.4903



9.5364, 0.1682, 0.0914

# 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.



73.4608, 0.2737, 0.2045



73.4608, 0.4136, 0.4903



73.4608, 0.1625, 0.2015

# Square

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



73.4608, 0.4136, 0.4903



73.4608, 0.1800, 0.3362



73.4608, 0.2017, 0.1892



73.4608, 0.4608, 0.2995



# Rectangle

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



73.4608, 0.4136, 0.4903



73.4608, 0.2680, 0.4732



73.4608, 0.2017, 0.1892



73.4608, 0.3371, 0.2281

# Sweetspot

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



73.4642, 0.4136, 0.4903



96.1477, 0.3478, 0.3857



20.1204, 0.5729, 0.3255



20.4710, 0.3534, 0.3947



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.



73.4642, 0.4136, 0.4903



90.3164, 0.4208, 0.5009



64.3755, 0.3493, 0.5365



16.7730, 0.3268, 0.3518



40.3670, 0.4223, 0.5029



2.9965, 0.4218, 0.5033



# Inverse Universe

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



9.5364, 0.1682, 0.0914



8.0422, 0.1533, 0.0660



13.7865, 0.2228, 0.1172



13.9261, 0.2980, 0.3051



3.3003, 0.1503, 0.0611



0.2578, 0.1512, 0.0642



# Previews

## White Background



This preview shows how the Yxy color 73.4608, 0.4136, 0.4903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

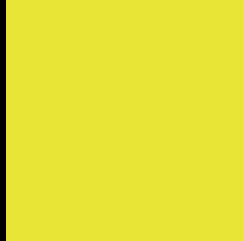
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.4608, 0.4136, 0.4903 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 73.4608, 0.4136, 0.4903**

## Background



This preview shows how black text looks on a background with the Yxy color 73.4608, 0.4136, 0.4903.



This preview shows how white text looks on a background with the Yxy color 73.4608, 0.4136, 0.4903.

# 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

73.4608, 0.4136, 0.4903

### Protanopia

73.3473, 0.4323, 0.4773

### Deuteranopia

72.9449, 0.3818, 0.3856



## Tritanopia

72.8945, 0.3253, 0.3116

# Trichromacy



## Original Color

73.4608, 0.4136, 0.4903

## Protanomaly

73.1622, 0.4252, 0.4820

## Deuteranomaly

72.8922, 0.3995, 0.4300

## Tritanomaly

72.1170, 0.3663, 0.3857

# Monochromacy



## Original Color

73.4608, 0.4136, 0.4903

## Achromatopsia

64.4480, 0.3127, 0.3290

## Achromatomaly

66.8310, 0.3578, 0.4021

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.4608, 0.4136, 0.4903 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(232, 229, 54)` looks like.

```
.text, #text, p{  
    color:rgb(232, 229, 54)  
}
```

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(232, 229, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 229, 54) }
```

## Border

The CSS property to change the border of an element to Yxy 73.4608, 0.4136, 0.4903 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(232, 229, 54) }
```

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

```
.border{ border-color:rgb(232, 229, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 229, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 229, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 229, 54);  
box-shadow:4px 4px 4px 4px rgb(232, 229,  
54) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.4608, 0.4136, 0.4903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 229, 54) }
```

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

```
.background{ background-color: rgb(232,  
229, 54) }
```

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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