

# Converting Colors

$Y_{xy}(79.0980, 0.4203, 0.5045)$

Have a look what the booklet for  
Yxy(79.0980, 0.4203, 0.5045)  
contains.

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# Color

**Yxy(78.9191, 0.4208, 0.5041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EFED00
RGB	239, 237, 0
RGB Percent	94%, 93%, 0%
CMY	0.0628, 0.0706, 1.0000
CMYK	0.00, 0.01, 1.00, 0.06
HSL	60°, 100%, 47%
HSV	60°, 100%, 94%
XYZ	65.8781, 78.9191, 11.7572
YIQ	210.5800, 77.2690, -73.2830

# Conversions

## Conversions Part 2

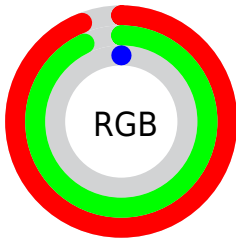
Format	Color
R <sub>Y</sub> B	2, 239, 0
Decimal	15723776
CIE Lab	91.20, -19.57, 89.59
CIE LCh	91, 91.697, 102.322
Yxy	78.9191, 0.4208, 0.5041
Android (android.graphics.Color)	4293913856 (0xFFEFED00)
YUV	210.5800, -103.8159, 24.9243
Hunter-Lab	88.8364, -23.0941, 54.3386

# Details

The Yxy color **78.9191, 0.4208, 0.5041** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **6.2744, 0.1501, 0.0604**, and the grayscale version is **65.5114, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.5127, 0.4165, 0.5075** is the 20% darker color. If you saturate the color by 10%, you get **78.9230, 0.4208, 0.5041**, and if you desaturate by 10%, it is **79.1033, 0.4188, 0.5011**.

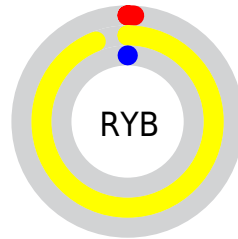
# Distribution



Red (94%)

Green (93%)

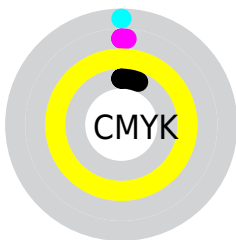
Blue (0%)



Red (1%)

Yellow (94%)

Blue (0%)

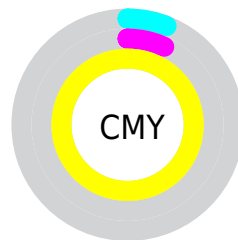


Cyan (0%)

Magenta (1%)

Yellow (100%)

Black (6%)



Cyan (6%)

Magenta (7%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9191, 0.4208, 0.5041 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 78.9191, 0.4208, 0.5041 by changing the saturation by 10% instead.



 78.9191, 0.4208,  
0.5041

 78.9191, 0.4208,  
0.5041


491.2826, 0.3818,  
0.4308


 58.8293, 0.4259,  
0.5173


 131.8450, 0.4102,  
0.4813

 42.4757, 0.4303,  
0.5315


 165.4498, 0.4052,  
0.4716


 29.4740, 0.4329,  
0.5463


 204.3285, 0.4005,  
0.4629

 19.4397, 0.4352,  
0.5648

 248.8653, 0.3962,  
0.4551

 11.9884, 0.4258,  
0.5742

 299.4448, 0.3921,  
0.4481

 6.7358, 0.4124,  
0.5876


 356.4512, 0.3884,


 3.2974, 0.3914,


0.4418


0.6086


420.2690, 0.3850,  
0.4360


 1.2889, 0.3521,  
0.6479

 0.1326, 0.0000,  
1.0000


 78.9191, 0.4208,  
0.5041


 78.9191, 0.4208,  
0.5041

 78.9230, 0.4208,  
0.5041

 79.1033, 0.4188,  
0.5011

 79.3644, 0.4145,  
0.4946

 79.7317, 0.4077,  
0.4836

 80.2200, 0.3982,  
0.4684

■ 80.8420, 0.3864,  
0.4493

■ 81.6088, 0.3729,  
0.4274

■ 82.5301, 0.3582,  
0.4034

■ 83.6149, 0.3429,  
0.3785

■ 84.8717, 0.3276,  
0.3534

# Harmonies

## Analogous

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



78.9191, 0.4942, 0.4362



78.9191, 0.4208, 0.5041



78.9191, 0.3263, 0.5278

# Triad

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



78.9191, 0.4208, 0.5041



78.9191, 0.1414, 0.2395



78.9191, 0.3754, 0.2349

# Complementary

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



78.9191, 0.4208, 0.5041



6.2744, 0.1501, 0.0604

# 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.



78.9191, 0.2681, 0.1936



78.9191, 0.4208, 0.5041



78.9191, 0.1498, 0.1899

# Square

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



78.9191, 0.4208, 0.5041



78.9191, 0.1676, 0.3366



78.9191, 0.1909, 0.1773



78.9191, 0.4763, 0.2945



# Rectangle

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



78.9191, 0.4208, 0.5041



78.9191, 0.2624, 0.4930



78.9191, 0.1909, 0.1773



78.9191, 0.3378, 0.2187

# Sweetspot

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



78.9230, 0.4208, 0.5041



95.6106, 0.3584, 0.4037



18.3578, 0.6388, 0.3293



20.3633, 0.3647, 0.4140



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.



78.9230, 0.4208, 0.5041



91.4388, 0.4208, 0.5041



65.9738, 0.3378, 0.5700



18.4352, 0.3268, 0.3521



43.6289, 0.4208, 0.5041



3.6367, 0.4206, 0.5043



# Inverse Universe

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



6.2744, 0.1501, 0.0604



7.2659, 0.1501, 0.0603



9.9111, 0.1975, 0.0862



15.2497, 0.2979, 0.3048



3.4770, 0.1502, 0.0605

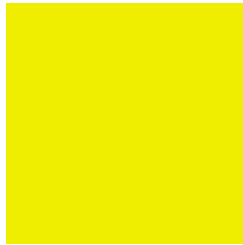


0.2966, 0.1505, 0.0619



# Previews

## White Background



This preview shows how the Yxy color 78.9191, 0.4208, 0.5041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

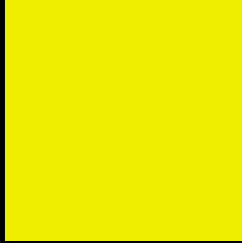
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9191, 0.4208, 0.5041 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 78.9191, 0.4208, 0.5041**

## Background



This preview shows how black text looks on a background with the Yxy color 78.9191, 0.4208, 0.5041.



This preview shows how white text looks on a background with the Yxy color 78.9191, 0.4208, 0.5041.

# 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**

78.9191, 0.4208, 0.5041

**Protanopia**

78.6982, 0.4146, 0.4554

**Deuteranopia**

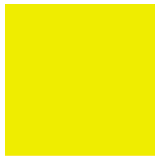
78.6132, 0.3619, 0.3699



## Tritanopia

78.4303, 0.3249, 0.3112

# Trichromacy



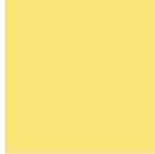
## Original Color

78.9191, 0.4208, 0.5041



## Protanomaly

78.7545, 0.4216, 0.4809



## Deuteranomaly

77.4864, 0.3992, 0.4397



## Tritanomaly

76.7668, 0.3803, 0.4063

# Monochromacy



## Original Color

78.9191, 0.4208, 0.5041



## Achromatopsia

65.1406, 0.3127, 0.3290



## Achromatomaly

68.2798, 0.3719, 0.4252

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9191, 0.4208, 0.5041 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(239, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(239, 237, 0)  
}
```

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(239, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 237, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9191, 0.4208, 0.5041 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(239, 237, 0) }
```

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

```
.border{ border-color:rgb(239, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(239, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(239, 237,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9191, 0.4208, 0.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 237, 0) }
```

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

```
.background{ background-color: rgb(239,  
237, 0) }
```

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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