

# Converting Colors

$Y_{xy}(77.0908, 0.4079, 0.5137)$

Have a look what the booklet for  
Yxy(77.0908, 0.4079, 0.5137)  
contains.

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**Color**

**Yxy(76.8458, 0.4079, 0.5137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFEE04
RGB	223, 238, 4
RGB Percent	87%, 93%, 2%
CMY	0.1256, 0.0666, 0.9847
CMYK	0.06, 0.00, 0.98, 0.07
HSL	64°, 97%, 47%
HSV	64°, 98%, 93%
XYZ	61.0189, 76.8458, 11.7281
YIQ	206.8390, 66.1740, -75.9540

# Conversions

## Conversions Part 2

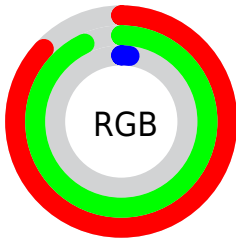
<b>Format</b>	<b>Color</b>
<b>RYB</b>	4, 238, 19
Decimal	14675460
CIELab	90.25, -26.64, 88.03
CIELCh	90, 91.975, 106.840
Yxy	76.8458, 0.4079, 0.5137
Android (android.graphics.Color)	4292865540 (0xFFDFEE04)
YUV	206.8390, -99.9996, 14.1732
Hunter-Lab	87.6617, -29.1592, 53.4309

# Details

The Yxy color **76.8458, 0.4079, 0.5137** 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 **6.3971, 0.1522, 0.0618**, and the grayscale version is **62.9047, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **41.2424, 0.4011, 0.5197** is the 20% darker color. If you saturate the color by 10%, you get **76.8008, 0.4080, 0.5143**, and if you desaturate by 10%, it is **77.1674, 0.4069, 0.5091**.

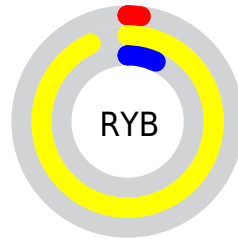
# Distribution



Red (87%)

Green (93%)

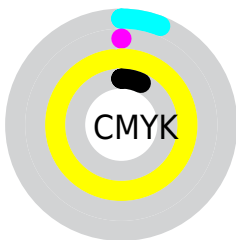
Blue (2%)



Red (2%)

Yellow (93%)

Blue (7%)

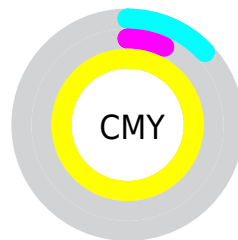


Cyan (6%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (13%)

Magenta (7%)


Yellow (98%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 76.8458, 0.4079, 0.5137 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 76.8458, 0.4079, 0.5137 by changing the saturation by 10% instead.





 76.8458, 0.4079,  
0.5137

 76.8458, 0.4079,  
0.5137


484.2381, 0.3747,  
0.4340


 57.1263, 0.4118,  
0.5287


 128.9218, 0.3993,  
0.4884


 41.1067, 0.4145,  
0.5451


 162.0471, 0.3951,  
0.4778


 28.4024, 0.4151,  
0.5628


 200.4098, 0.3910,  
0.4683

 18.6292, 0.4147,  
0.5853

 244.3943, 0.3873,  
0.4599

 11.4027, 0.4013,  
0.5987

 294.3850, 0.3838,  
0.4524

 6.3384, 0.3820,  
0.6180


 350.7663, 0.3805,


 3.0519, 0.3517,


0.4456


0.6483


413.9225, 0.3775,  
0.4395


 1.1589, 0.2698,  
0.7302

 0.0277, 0.0000,  
1.0000


 76.8458, 0.4079,  
0.5137


 76.8458, 0.4079,  
0.5137

 76.8008, 0.4080,  
0.5143

 77.1674, 0.4069,  
0.5091

 77.5749, 0.4036,  
0.5005

 78.0923, 0.3976,  
0.4874

 78.7339, 0.3891,  
0.4700

■ 79.5119, 0.3784,  
0.4492

■ 80.4369, 0.3660,  
0.4257

■ 81.5187, 0.3524,  
0.4006

■ 82.7660, 0.3384,  
0.3750

■ 84.1869, 0.3243,  
0.3496

# Harmonies

## Analogous

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



76.8458, 0.4869, 0.4480



76.8458, 0.4079, 0.5137



76.8458, 0.3112, 0.5266

# Triad

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



76.8458, 0.4079, 0.5137



76.8458, 0.1391, 0.2280



76.8458, 0.3932, 0.2421

# Complementary

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



76.8458, 0.4079, 0.5137



6.3971, 0.1522, 0.0618

# 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.



76.8458, 0.2824, 0.1971



76.8458, 0.4079, 0.5137



76.8458, 0.1524, 0.1845

# Square

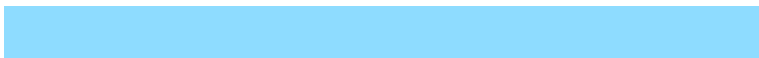
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.8458, 0.4079, 0.5137



76.8458, 0.1597, 0.3187



76.8458, 0.1990, 0.1767



76.8458, 0.4895, 0.3039



# Rectangle

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



76.8458, 0.4079, 0.5137



76.8458, 0.2479, 0.4812



76.8458, 0.1990, 0.1767



76.8458, 0.3551, 0.2247

# Sweetspot

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



76.8494, 0.4079, 0.5137



95.0933, 0.3549, 0.4051



18.5480, 0.6352, 0.3322



20.2374, 0.3606, 0.4158



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.



76.8494, 0.4079, 0.5137



89.8015, 0.4079, 0.5143



64.4351, 0.3299, 0.5754



18.4043, 0.3258, 0.3524



42.8623, 0.4081, 0.5141



3.5812, 0.4097, 0.5129



# Inverse Universe

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



6.3971, 0.1522, 0.0618



7.3337, 0.1514, 0.0608



11.2187, 0.2126, 0.0950



15.2772, 0.2989, 0.3046



3.5207, 0.1520, 0.0611

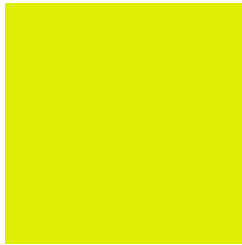


0.3098, 0.1572, 0.0639



# Previews

## White Background



This preview shows how the Yxy color 76.8458, 0.4079, 0.5137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

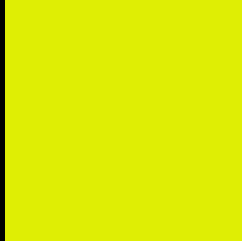
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 76.8458, 0.4079, 0.5137 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 76.8458, 0.4079, 0.5137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 76.8458, 0.4079, 0.5137.



This preview shows how white text looks on a background with the Yxy color 76.8458, 0.4079, 0.5137.

# 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**

76.8458, 0.4079, 0.5137

**Protanopia**

76.4034, 0.4342, 0.4793

**Deuteranopia**

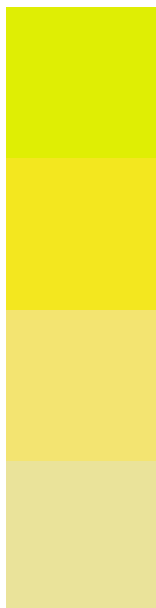
76.5977, 0.3698, 0.3772



## Tritanopia

76.4702, 0.3143, 0.3106

# Trichromacy



## Original Color

76.8458, 0.4079, 0.5137

## Protanomaly

76.3054, 0.4254, 0.4934

## Deuteranomaly

75.7337, 0.3979, 0.4452

## Tritanomaly

74.7637, 0.3665, 0.4075

# Monochromacy



## Original Color

76.8458, 0.4079, 0.5137

## Achromatopsia

62.3960, 0.3127, 0.3290

## Achromatomaly

65.9824, 0.3669, 0.4266

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 76.8458, 0.4079, 0.5137 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(223, 238, 4)` looks like.

```
.text, #text, p{  
    color:rgb(223, 238, 4)  
}
```

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(223, 238, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 238, 4) }
```

## Border

The CSS property to change the border of an element to Yxy 76.8458, 0.4079, 0.5137 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(223, 238, 4) }
```

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

```
.border{ border-color:rgb(223, 238, 4) }
```

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

Here you see how a box with a 4 pixel rgb(223, 238, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 238, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 238, 4);  
box-shadow:4px 4px 4px 4px rgb(223, 238,  
4) }
```



# Background

The CSS property to change the background color of an element to Yxy 76.8458, 0.4079, 0.5137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 238, 4) }
```

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

```
.background{ background-color: rgb(223,  
238, 4) }
```

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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