

# Converting Colors

Yxy(77.9161, 0.3895, 0.4918)

Have a look what the booklet for  
Yxy(77.9161, 0.3895, 0.4918)  
contains.

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**Color**

**Yxy(77.9161, 0.3895, 0.4918)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DBF04D
RGB	219, 240, 77
RGB Percent	86%, 94%, 30%
CMY	0.1412, 0.0588, 0.6981
CMYK	0.09, 0.00, 0.68, 0.06
HSL	68°, 84%, 62%
HSV	68°, 68%, 94%
XYZ	61.7087, 77.9161, 18.8057
YIQ	215.1390, 39.8070, -55.1450

# Conversions

## Conversions Part 2

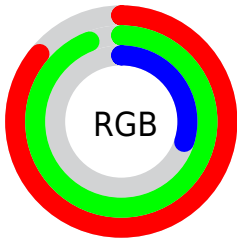
Format	Color
<a href="#">RYB</a>	<a href="#">77, 240, 98</a>
Decimal	<a href="#">14413901</a>
CIELab	<a href="#">90.74, -27.14, 72.66</a>
CIElCh	<a href="#">91, 77.561, 110.483</a>
Yxy	<a href="#">77.9161, 0.3895, 0.4918</a>
Android (android.graphics.Color)	<a href="#">4292603981 (0xFFDBF04D)</a>
YUV	<a href="#">215.1390, -68.1025, 3.3861</a>
Hunter-Lab	<a href="#">88.2701, -29.6853, 49.1575</a>

# Details

The Yxy color **77.9161, 0.3895, 0.4918** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light washed yellow. A complement of this color would be **14.1966, 0.1927, 0.1168**, and the grayscale version is **68.5040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5012, 0.3829, 0.4451**, and **41.7546, 0.3965, 0.5233** is the 20% darker color. If you saturate the color by 10%, you get **77.1652, 0.3944, 0.5065**, and if you desaturate by 10%, it is **78.8081, 0.3820, 0.4729**.

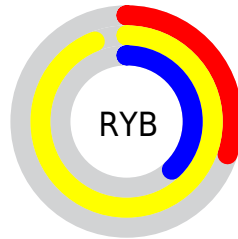
# Distribution



Red (86%)

Green (94%)

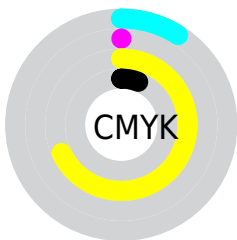
Blue (30%)



Red (30%)

Yellow (94%)

Blue (38%)

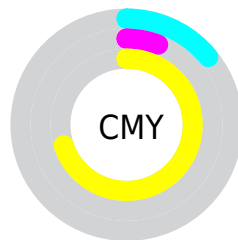


Cyan (9%)

Magenta (0%)

Yellow (68%)

Black (6%)



Cyan (14%)

Magenta (6%)


Yellow (70%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 77.9161, 0.3895, 0.4918 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 77.9161, 0.3895, 0.4918 by changing the saturation by 10% instead.





 77.9161, 0.3895,  
0.4918

 77.9161, 0.3895,  
0.4918

487.8818, 0.3606,  
0.4183

 58.0051, 0.3938,  
0.5070


 130.4318, 0.3813,  
0.4674

 41.8127, 0.3977,  
0.5246


 163.8053, 0.3775,  
0.4575


 28.9547, 0.4006,  
0.5450


 202.4351, 0.3741,  
0.4489

 19.0465, 0.4010,  
0.5680

 246.7055, 0.3709,  
0.4413

 11.7039, 0.4004,  
0.5996

 297.0010, 0.3680,  
0.4346

 6.5424, 0.3811,  
0.6189


353.7060, 0.3653,


 3.1776, 0.3510,


0.4286


0.6490


417.2048, 0.3629,  
0.4232

 1.2251, 0.2763,  
0.7237


 0.0821, 0.0000,  
1.0000


 77.9161, 0.3895,  
0.4918

 77.9161, 0.3895,  
0.4918


 77.1652, 0.3944,  
0.5065


 78.8081, 0.3820,  
0.4729


 76.5300, 0.3967,  
0.5166

 79.8428, 0.3724,  
0.4507


 75.9943, 0.3966,  
0.5225


 81.0347, 0.3611,  
0.4261

 75.8892, 0.3964,  
0.5234

 82.3937, 0.3487,  
0.4003

 83.9287, 0.3358,  
0.3742

 85.6480, 0.3228,  
0.3485

 87.5595, 0.3101,  
0.3240

 88.7354, 0.3061,  
0.3143

 89.2932, 0.3081,  
0.3144

# Harmonies

## Analogous

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



77.9161, 0.4589, 0.4446



77.9161, 0.3895, 0.4918



77.9161, 0.3049, 0.4872

# Triad

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



77.9161, 0.3895, 0.4918



77.9161, 0.1606, 0.2375



77.9161, 0.3926, 0.2604

# Complementary

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



77.9161, 0.3895, 0.4918



14.1966, 0.1927, 0.1168

# 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.



77.9161, 0.2987, 0.2178



77.9161, 0.3895, 0.4918



77.9161, 0.1760, 0.2015

# Square

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



77.9161, 0.3895, 0.4918



77.9161, 0.1767, 0.3113



77.9161, 0.2221, 0.1967



77.9161, 0.4684, 0.3174



# Rectangle

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



77.9161, 0.3895, 0.4918



77.9161, 0.2507, 0.4432



77.9161, 0.2221, 0.1967



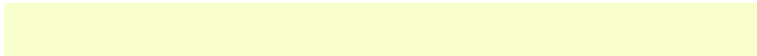
77.9161, 0.3612, 0.2441

# Sweetspot

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



77.9197, 0.3895, 0.4918



95.9131, 0.3386, 0.3798



27.4308, 0.5247, 0.3471



20.4212, 0.3423, 0.3871



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.



77.9197, 0.3895, 0.4918



88.2146, 0.3957, 0.5115



68.3931, 0.3337, 0.5279



18.3496, 0.3248, 0.3525



41.5799, 0.3968, 0.5231



3.4876, 0.3999, 0.5206



# Inverse Universe

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



14.1966, 0.1927, 0.1168



10.5778, 0.1702, 0.0827



21.0070, 0.2576, 0.1477



15.3264, 0.2999, 0.3047



3.6343, 0.1549, 0.0627



0.3332, 0.1641, 0.0678



# Previews

## White Background



This preview shows how the Yxy color 77.9161, 0.3895, 0.4918 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 77.9161, 0.3895, 0.4918 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 77.9161, 0.3895, 0.4918**

## **Background**



This preview shows how black text looks on a background with the Yxy color 77.9161, 0.3895, 0.4918.



This preview shows how white text looks on a background with the Yxy color 77.9161, 0.3895, 0.4918.

# 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

77.9161, 0.3895, 0.4918

### Protanopia

77.2969, 0.4237, 0.4654

### Deuteranopia

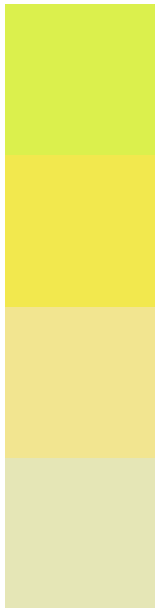
77.4128, 0.3645, 0.3710



## Tritanopia

77.3843, 0.3087, 0.3105

# Trichromacy



## Original Color

77.9161, 0.3895, 0.4918

## Protanomaly

77.1405, 0.4112, 0.4745

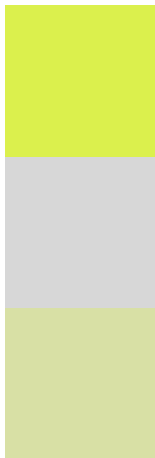
## Deuteranomaly

76.9295, 0.3783, 0.4177

## Tritanomaly

76.6290, 0.3434, 0.3811

# Monochromacy



## Original Color

77.9161, 0.3895, 0.4918

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

70.6269, 0.3463, 0.3960

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 77.9161, 0.3895, 0.4918 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(219, 240, 77)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 77)  
}
```

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(219, 240, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 77) }
```

## Border

The CSS property to change the border of an element to Yxy 77.9161, 0.3895, 0.4918 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(219, 240, 77) }
```

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

```
.border{ border-color:rgb(219, 240, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 77);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
77) }
```



# Background

The CSS property to change the background color of an element to Yxy 77.9161, 0.3895, 0.4918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 77) }
```

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

```
.background{ background-color: rgb(219,  
240, 77) }
```

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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