

# Converting Colors

$Yxy(77.9889, 0.3998, 0.4512)$

Have a look what the booklet for  
Yxy(77.9889, 0.3998, 0.4512)  
contains.

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# Color

**Yxy(78.2298, 0.3995, 0.4511)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5E86D
RGB	245, 232, 109
RGB Percent	96%, 91%, 43%
CMY	0.0391, 0.0902, 0.5726
CMYK	0.00, 0.05, 0.56, 0.04
HSL	54°, 87%, 69%
HSV	54°, 56%, 96%
XYZ	69.2813, 78.2298, 25.9090
YIQ	221.8650, 47.2310, -35.4970

# Conversions

## Conversions Part 2

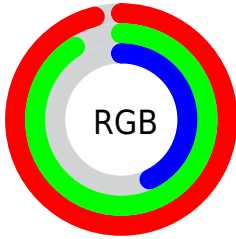
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 245, 109
Decimal	16115821
CIE <sub>Lab</sub>	90.88, -10.73, 60.35
CIE <sub>LCh</sub>	91, 61.295, 100.079
Yxy	78.2298, 0.3995, 0.4511
Android (android.graphics.Color)	4294305901 (0xFFF5E86D)
YUV	221.8650, -55.6424, 20.2894
Hunter-Lab	88.4476, -14.9636, 44.5455

# Details

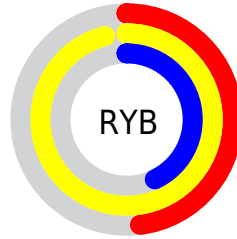
The Yxy color **78.2298, 0.3995, 0.4511** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **23.7678, 0.2081, 0.1663**, and the grayscale version is **73.3255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4603, 0.3666, 0.4181**, and **42.1592, 0.4136, 0.4756** is the 20% darker color. If you saturate the color by 10%, you get **76.4641, 0.4124, 0.4673**, and if you desaturate by 10%, it is **80.1675, 0.3848, 0.4317**.

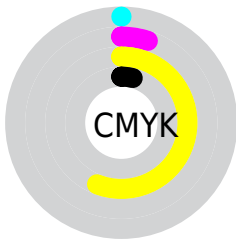
# Distribution



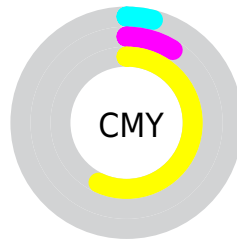
- Red (96%)
- Green (91%)
- Blue (43%)



- Red (48%)
- Yellow (96%)
- Blue (43%)



- Cyan (0%)
- Magenta (5%)
- Yellow (56%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (57%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.2298, 0.3995, 0.4511 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 78.2298, 0.3995, 0.4511 by changing the saturation by 10% instead.




 78.2298, 0.3995,  
0.4511


 78.2298, 0.3995,  
0.4511


488.9469, 0.3630,  
0.3968

 58.2628, 0.4065,  
0.4624


 130.8740, 0.3879,  
0.4331

 42.0199, 0.4142,  
0.4755


 164.3200, 0.3830,  
0.4258

 29.1169, 0.4227,  
0.4909


 203.0277, 0.3787,  
0.4194

 19.1693, 0.4314,  
0.5086

 247.3817, 0.3749,  
0.4138

 11.7927, 0.4395,  
0.5288

297.7661, 0.3715,  
0.4088

 6.6027, 0.4466,  
0.5534

354.5656, 0.3684,

 3.2149, 0.4353,

0.4044

0.5647

418.1644, 0.3656,  
0.4004

■ 1.2449, 0.4153,  
0.5847

■ 0.0979, 0.0000,  
1.0000

■ 78.2298, 0.3995,  
0.4511

■ 78.2298, 0.3995,  
0.4511

■ 76.4641, 0.4124,  
0.4673

■ 80.1675, 0.3848,  
0.4317

■ 74.8468, 0.4230,  
0.4794


■ 82.2776, 0.3690,  
0.4101

■ 73.3668, 0.4308,  
0.4871

■ 84.5736, 0.3528,  
0.3872


■ 72.0060, 0.4359,  
0.4903

■ 87.0649, 0.3366,  
0.3641

 71.4236, 0.4375,  
0.4908

 89.7602, 0.3210,  
0.3412

 92.6029, 0.3068,  
0.3203

 94.0413, 0.3067,  
0.3226

 95.4978, 0.3067,  
0.3249

 96.9725, 0.3066,  
0.3272

# Harmonies

## Analogous

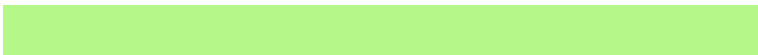
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.2298, 0.4451, 0.4100



78.2298, 0.3995, 0.4511



78.2298, 0.3336, 0.4592

# Triad

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



78.2298, 0.3995, 0.4511



78.2298, 0.1893, 0.2749



78.2298, 0.3510, 0.2593

# Complementary

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



78.2298, 0.3995, 0.4511



23.7678, 0.2081, 0.1663

# 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.



78.2298, 0.2786, 0.2290



78.2298, 0.3995, 0.4511



78.2298, 0.1928, 0.2331

# Square

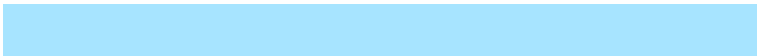
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.2298, 0.3995, 0.4511



78.2298, 0.2141, 0.3432



78.2298, 0.2231, 0.2190



78.2298, 0.4186, 0.3045



# Rectangle

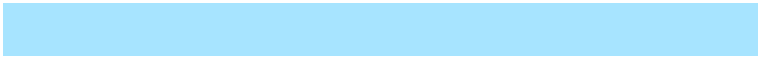
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.2298, 0.3995, 0.4511



78.2298, 0.2874, 0.4367



78.2298, 0.2231, 0.2190



78.2298, 0.3260, 0.2473

# Sweetspot

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



78.2334, 0.3995, 0.4511



94.8936, 0.3390, 0.3675



31.7710, 0.4635, 0.3154



20.1913, 0.3423, 0.3722



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.



78.2334, 0.3995, 0.4511



83.4166, 0.4143, 0.4695



77.4562, 0.3536, 0.4820



19.0261, 0.3271, 0.3502



38.5776, 0.4372, 0.4911



3.4680, 0.4347, 0.4931



# Inverse Universe

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



23.7678, 0.2081, 0.1663



18.3270, 0.1862, 0.1296



25.3561, 0.2446, 0.1670



16.1821, 0.2979, 0.3069



3.9790, 0.1518, 0.0664

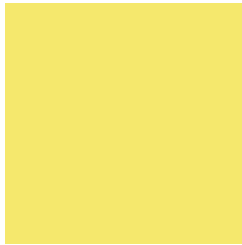


0.4342, 0.1557, 0.0803



# Previews

## White Background



This preview shows how the Yxy color 78.2298, 0.3995, 0.4511 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

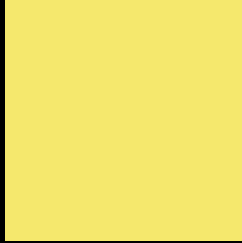
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.2298, 0.3995, 0.4511 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 78.2298, 0.3995, 0.4511**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.2298, 0.3995, 0.4511.



This preview shows how white text looks on a background with the Yxy color 78.2298, 0.3995, 0.4511.

# 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

78.2298, 0.3995, 0.4511

### Protanopia

78.1922, 0.4084, 0.4461

### Deuteranopia

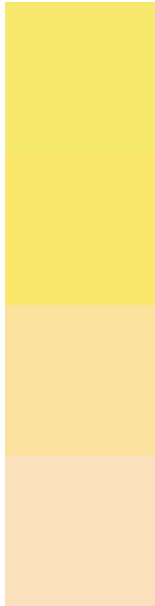
78.1165, 0.3615, 0.3678



## Tritanopia

77.9212, 0.3278, 0.3132

# Trichromacy



## Original Color

78.2298, 0.3995, 0.4511

## Protanomaly

78.1856, 0.4056, 0.4480

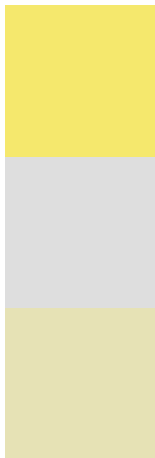
## Deuteranomaly

77.9160, 0.3768, 0.3999

## Tritanomaly

77.4947, 0.3563, 0.3651

# Monochromacy



## Original Color

78.2298, 0.3995, 0.4511

## Achromatopsia

73.0461, 0.3127, 0.3290

## Achromatomaly

74.5519, 0.3456, 0.3780

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.2298, 0.3995, 0.4511 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(245, 232, 109)` looks like.

```
.text, #text, p{  
    color:rgb(245, 232, 109)  
}
```

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(245, 232, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 232, 109) }
```

## Border

The CSS property to change the border of an element to Yxy 78.2298, 0.3995, 0.4511 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(245, 232, 109) }
```

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

```
.border{ border-color:rgb(245, 232, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 232, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 232, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 232, 109);  
box-shadow:4px 4px 4px 4px rgb(245, 232,  
109) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.2298, 0.3995, 0.4511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 232, 109) }
```

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

```
.background{ background-color: rgb(245,  
232, 109) }
```

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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