

# Converting Colors

Yxy(69.5183, 0.3622, 0.4989)

Have a look what the booklet for  
Yxy(69.5183, 0.3622, 0.4989)  
contains.

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# Color

**Yxy(69.4466, 0.3619, 0.4991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6EA55
RGB	182, 234, 85
RGB Percent	71%, 92%, 33%
CMY	0.2862, 0.0823, 0.6667
CMYK	0.22, 0.00, 0.64, 0.08
HSL	81°, 78%, 63%
HSV	81°, 64%, 92%
XYZ	50.3561, 69.4466, 19.3410
YIQ	201.4660, 16.8370, -57.3630

# Conversions

## Conversions Part 2

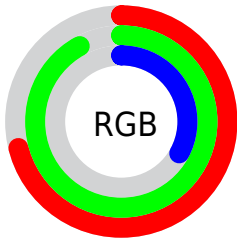
Format	Color
<a href="#">RYB</a>	<a href="#">85, 234, 137</a>
Decimal	<a href="#">11987541</a>
CIELab	<a href="#">86.72, -38.20, 64.68</a>
CIELCh	<a href="#">87, 75.120, 120.561</a>
Yxy	<a href="#">69.4466, 0.3619, 0.4991</a>
Android (android.graphics.Color)	<a href="#">4290177621 (0xFFB6EA55)</a>
YUV	<a href="#">201.4660, -57.4177, -17.0717</a>
Hunter-Lab	<a href="#">83.3346, -37.9745, 44.5737</a>

# Details

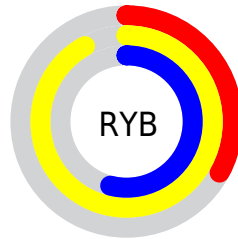
The Yxy color **69.4466, 0.3619, 0.4991** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **17.7516, 0.2256, 0.1410**, and the grayscale version is **59.0715, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.1439, 0.3696, 0.4432**, and **36.2587, 0.3647, 0.5392** is the 20% darker color. If you saturate the color by 10%, you get **68.1720, 0.3641, 0.5203**, and if you desaturate by 10%, it is **70.9082, 0.3574, 0.4743**.

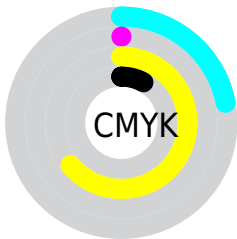
# Distribution



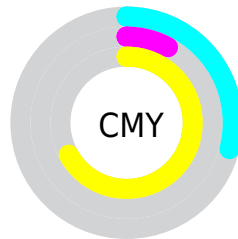
- Red (71%)
- Green (92%)
- Blue (33%)



- Red (33%)
- Yellow (92%)
- Blue (54%)



- Cyan (22%)
- Magenta (0%)
- Yellow (64%)
- Black (8%)




- Cyan (29%)
- Magenta (8%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4466, 0.3619, 0.4991 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 69.4466, 0.3619, 0.4991 by changing the saturation by 10% instead.




 69.4466, 0.3619,  
0.4991


 69.4466, 0.3619,  
0.4991


458.6045, 0.3447,  
0.4177

 51.0755, 0.3638,  
0.5173


 118.4192, 0.3575,  
0.4709

 36.2687, 0.3649,  
0.5393


 149.7896, 0.3553,  
0.4599

 24.6418, 0.3642,  
0.5659

 186.2617, 0.3532,  
0.4504

 15.8104, 0.3599,  
0.5979

 228.2202, 0.3512,  
0.4421

 9.3901, 0.3537,  
0.6463

276.0493, 0.3494,  
0.4349

 4.9965, 0.3212,  
0.6788

330.1335, 0.3477,

 2.2452, 0.2693,

0.4285

0.7307

390.8571, 0.3462,  
0.4228

0.7445, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

69.4466, 0.3619,  
0.4991

69.4466, 0.3619,  
0.4991

68.1720, 0.3641,  
0.5203

70.9082, 0.3574,  
0.4743

67.0615, 0.3638,  
0.5369

72.5596, 0.3510,  
0.4472

66.1019, 0.3610,  
0.5484


74.4143, 0.3432,  
0.4190

65.5579, 0.3584,  
0.5536


76.4822, 0.3345,  
0.3909

 78.7723, 0.3253,  
0.3637

 81.2929, 0.3161,  
0.3380

 84.0521, 0.3070,  
0.3142

 85.9002, 0.3086,  
0.3084

 87.3271, 0.3137,  
0.3088

# Harmonies

## Analogous

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



69.4466, 0.4391, 0.4643



69.4466, 0.3619, 0.4991



69.4466, 0.2764, 0.4699

# Triad

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



69.4466, 0.3619, 0.4991



69.4466, 0.1617, 0.2209



69.4466, 0.4229, 0.2781

# Complementary

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



69.4466, 0.3619, 0.4991



17.7516, 0.2256, 0.1410

# 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.



69.4466, 0.3297, 0.2294



69.4466, 0.3619, 0.4991



69.4466, 0.1873, 0.1961

# Square

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



69.4466, 0.3619, 0.4991



69.4466, 0.1668, 0.2819



69.4466, 0.2442, 0.2004



69.4466, 0.4840, 0.3383



# Rectangle

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



69.4466, 0.3619, 0.4991



69.4466, 0.2262, 0.4122



69.4466, 0.2442, 0.2004



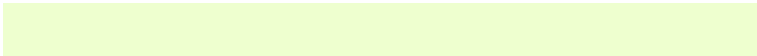
69.4466, 0.3933, 0.2601

# Sweetspot

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



69.4497, 0.3619, 0.4991



94.1970, 0.3303, 0.3782



35.3812, 0.4769, 0.3818



19.9940, 0.3329, 0.3861



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.



69.4497, 0.3619, 0.4991



82.4731, 0.3643, 0.5252



62.8063, 0.3148, 0.5277



17.3488, 0.3214, 0.3527



36.9118, 0.3593, 0.5529



2.9517, 0.3677, 0.5462



# Inverse Universe

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



17.7516, 0.2256, 0.1410



15.2312, 0.2054, 0.1088



26.0151, 0.2944, 0.1723



14.8045, 0.3034, 0.3050



4.4004, 0.1768, 0.0748

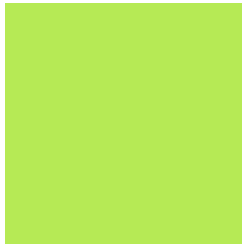


0.3974, 0.1921, 0.0832



# Previews

## White Background



This preview shows how the Yxy color 69.4466, 0.3619, 0.4991 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 69.4466, 0.3619, 0.4991 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 69.4466, 0.3619, 0.4991**

## **Background**



This preview shows how black text looks on a background with the Yxy color 69.4466, 0.3619, 0.4991.

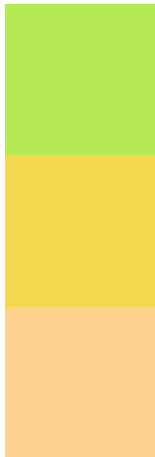


This preview shows how white text looks on a background with the Yxy color 69.4466, 0.3619, 0.4991.

# 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**

69.4466, 0.3619, 0.4991

**Protanopia**

69.0821, 0.4204, 0.4619

**Deuteranopia**

68.8139, 0.3984, 0.3978



## Tritanopia

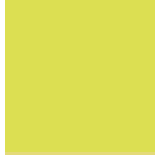
68.9985, 0.2889, 0.3100

# Trichromacy



## Original Color

69.4466, 0.3619, 0.4991



## Protanomaly

68.6002, 0.3982, 0.4757



## Deuteranomaly

68.0173, 0.3865, 0.4344



## Tritanomaly

67.9850, 0.3187, 0.3802

# Monochromacy



## Original Color

69.4466, 0.3619, 0.4991



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

61.5610, 0.3357, 0.3952

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 69.4466, 0.3619, 0.4991 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(182, 234, 85)` looks like.

```
.text, #text, p{  
    color:rgb(182, 234, 85)  
}
```

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(182, 234, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 234, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 69.4466, 0.3619, 0.4991 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(182, 234, 85) }
```

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

```
.border{ border-color:rgb(182, 234, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 234, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 234, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 234, 85);  
box-shadow:4px 4px 4px 4px rgb(182, 234,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 69.4466, 0.3619, 0.4991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 234, 85) }
```

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

```
.background{ background-color: rgb(182,  
234, 85) }
```

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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