

Converting Colors

$Yxy(69.0593, 0.3593, 0.5002)$

Have a look what the booklet for
Yxy(69.0593, 0.3593, 0.5002)
contains.

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Color

Yxy(69.0852, 0.3597, 0.5004)

Conversions

Conversions Part 1

Format	Color
Hex	B3EA55
RGB	179, 234, 85
RGB Percent	70%, 92%, 33%
CMY	0.2979, 0.0824, 0.6666
CMYK	0.23, 0.00, 0.64, 0.08
HSL	82°, 78%, 63%
HSV	82°, 64%, 92%
XYZ	49.6602, 69.0852, 19.3146
YIQ	200.5690, 15.0490, -57.9990

Conversions

Conversions Part 2

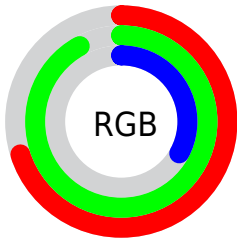
Format	Color
RYB	85, 234, 140
Decimal	11790933
CIELab	86.55, -39.30, 64.43
CIElCh	87, 75.468, 121.382
Yxy	69.0852, 0.3597, 0.5004
Android (android.graphics.Color)	4289981013 (0xFFB3EA55)
YUV	200.5690, -56.9755, -18.9160
Hunter-Lab	83.1175, -38.8074, 44.4046

Details

The Yxy color **69.0852, 0.3597, 0.5004** 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 **18.0135, 0.2282, 0.1422**, and the grayscale version is **58.4873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6202, 0.3675, 0.4440**, and **36.0363, 0.3619, 0.5413** is the 20% darker color. If you saturate the color by 10%, you get **67.7788, 0.3616, 0.5220**, and if you desaturate by 10%, it is **70.5850, 0.3555, 0.4752**.

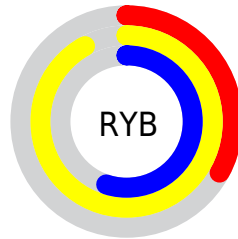
Distribution



Red (70%)

Green (92%)

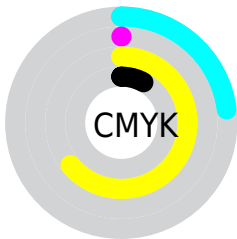
Blue (33%)



Red (33%)

Yellow (92%)

Blue (55%)

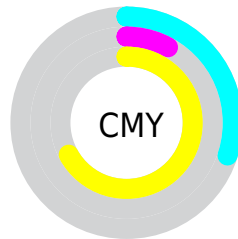


Cyan (23%)

Magenta (0%)

Yellow (64%)

Black (8%)



Cyan (30%)


Magenta (8%)

Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0852, 0.3597, 0.5004 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 69.0852, 0.3597, 0.5004 by changing the saturation by 10% instead.


 69.0852, 0.3597,
0.5004


 69.0852, 0.3597,
0.5004


457.3314, 0.3436,
0.4181

 50.7811, 0.3613,
0.5189


 117.9033, 0.3556,
0.4718

 36.0344, 0.3621,
0.5413


 149.1860, 0.3536,
0.4607

 24.4608, 0.3611,
0.5684


 185.5638, 0.3516,
0.4511

 15.6758, 0.3562,
0.6011

 227.4209, 0.3498,
0.4427

 9.2950, 0.3492,
0.6508

275.1419, 0.3480,
0.4354

 4.9341, 0.3155,
0.6845

329.1110, 0.3464,

 2.2087, 0.2614,

0.4290

0.7386

389.7127, 0.3450,
0.4232

0.7247, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

69.0852, 0.3597,
0.5004

69.0852, 0.3597,
0.5004

67.7788, 0.3616,
0.5220

70.5850, 0.3555,
0.4752

66.6429, 0.3610,
0.5390


72.2811, 0.3495,
0.4477


65.6639, 0.3580,
0.5508

74.1875, 0.3420,
0.4193

65.1095, 0.3552,
0.5562


76.3140, 0.3337,
0.3910

 78.6698, 0.3249,
0.3637

 81.2635, 0.3160,
0.3380

 84.1032, 0.3072,
0.3141

 86.0376, 0.3091,
0.3085

 87.3237, 0.3137,
0.3088

Harmonies

Analogous

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



69.0852, 0.4379, 0.4664



69.0852, 0.3597, 0.5004



69.0852, 0.2739, 0.4690

Triad

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



69.0852, 0.3597, 0.5004



69.0852, 0.1612, 0.2191



69.0852, 0.4259, 0.2793

Complementary

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



69.0852, 0.3597, 0.5004



18.0135, 0.2282, 0.1422

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.



69.0852, 0.3324, 0.2300



69.0852, 0.3597, 0.5004



69.0852, 0.1878, 0.1951

Square

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



69.0852, 0.3597, 0.5004



69.0852, 0.1655, 0.2793



69.0852, 0.2458, 0.2003



69.0852, 0.4860, 0.3399

Rectangle

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



69.0852, 0.3597, 0.5004



69.0852, 0.2238, 0.4100



69.0852, 0.2458, 0.2003



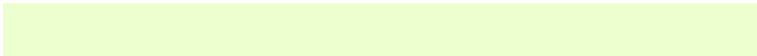
69.0852, 0.3963, 0.2612

Sweetspot

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



69.0883, 0.3597, 0.5004



94.0294, 0.3297, 0.3783



36.8002, 0.4724, 0.3872



19.9533, 0.3322, 0.3862



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.



69.0883, 0.3597, 0.5004



81.9888, 0.3617, 0.5271



62.4960, 0.3123, 0.5292



17.3332, 0.3211, 0.3527



36.6631, 0.3561, 0.5554



2.9333, 0.3649, 0.5485

Inverse Universe

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



18.0135, 0.2282, 0.1422



15.5404, 0.2082, 0.1103



26.7563, 0.2994, 0.1746



14.8195, 0.3037, 0.3051



4.5241, 0.1798, 0.0764



0.4083, 0.1951, 0.0849

Previews

White Background



This preview shows how the Yxy color 69.0852, 0.3597, 0.5004 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 69.0852, 0.3597, 0.5004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

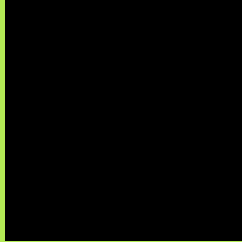
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0852, 0.3597, 0.5004

Background



This preview shows how black text looks on a background with the Yxy color 69.0852, 0.3597, 0.5004.

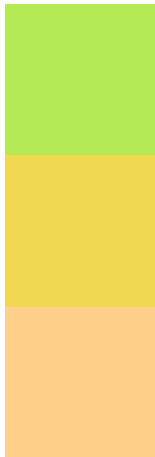


This preview shows how white text looks on a background with the Yxy color 69.0852, 0.3597, 0.5004.

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

69.0852, 0.3597, 0.5004

Protanopia

68.3917, 0.4203, 0.4615

Deuteranopia

68.2652, 0.4004, 0.3988



Tritanopia

68.7249, 0.2875, 0.3099

Trichromacy



Original Color

69.0852, 0.3597, 0.5004

Protanomaly

68.2900, 0.3966, 0.4766

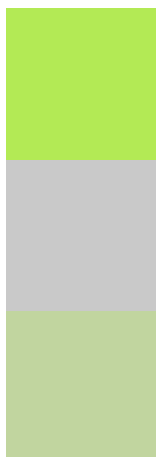
Deuteranomaly

67.3127, 0.3868, 0.4348

Tritanomaly

67.7239, 0.3173, 0.3804

Monochromacy



Original Color

69.0852, 0.3597, 0.5004

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

61.4292, 0.3349, 0.3953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0852, 0.3597, 0.5004 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(179, 234, 85)` looks like.

```
.text, #text, p{  
    color:rgb(179, 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(179, 234, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 234, 85) }
```

Border

The CSS property to change the border of an element to Yxy 69.0852, 0.3597, 0.5004 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(179, 234, 85) }
```

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

```
.border{ border-color:rgb(179, 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(179, 234, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 234, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 234, 85);  
box-shadow:4px 4px 4px 4px rgb(179, 234,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0852, 0.3597, 0.5004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 234, 85) }
```

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

```
.background{ background-color: rgb(179,  
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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