

# Converting Colors

$Yxy(70.2462, 0.3548, 0.4953)$

Have a look what the booklet for  
Yxy(70.2462, 0.3548, 0.4953)  
contains.

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**Color**

**Yxy(70.2462, 0.3548, 0.4953)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2EC5D
RGB	178, 236, 93
RGB Percent	70%, 93%, 36%
CMY	0.3022, 0.0744, 0.6353
CMYK	0.25, 0.00, 0.61, 0.07
HSL	84°, 79%, 65%
HSV	84°, 61%, 93%
XYZ	50.3197, 70.2462, 21.2597
YIQ	202.3560, 11.3350, -56.7690

# Conversions

## Conversions Part 2

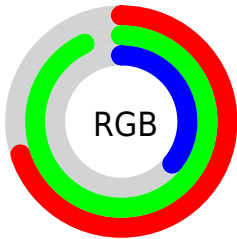
Format	Color
<a href="#">RYB</a>	<a href="#">93, 236, 151</a>
Decimal	<a href="#">11725917</a>
CIELab	<a href="#">87.12, -39.99, 61.76</a>
CIElCh	<a href="#">87, 73.575, 122.920</a>
Yxy	<a href="#">70.2462, 0.3548, 0.4953</a>
Android (android.graphics.Color)	<a href="#">4289915997 (0xFFB2EC5D)</a>
YUV	<a href="#">202.3560, -53.9125, -21.3602</a>
Hunter-Lab	<a href="#">83.8130, -39.5048, 43.6299</a>

# Details

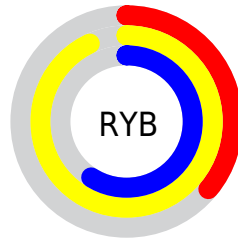
The Yxy color **70.2462, 0.3548, 0.4953** is a light color, and the websafe version is hex **CCFF66**, and the color name is **inchworm**. The color can be described as light muted chartreuse. A complement of this color would be **20.4710, 0.2377, 0.1528**, and the grayscale version is **59.6282, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4910, 0.3624, 0.4380**, and **36.8288, 0.3565, 0.5357** is the 20% darker color. If you saturate the color by 10%, you get **68.7997, 0.3568, 0.5189**, and if you desaturate by 10%, it is **71.9071, 0.3506, 0.4686**.

# Distribution



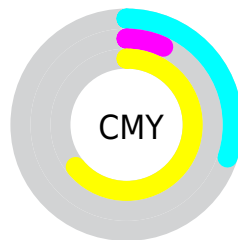
- Red (70%)
- Green (93%)
- Blue (36%)



- Red (36%)
- Yellow (93%)
- Blue (59%)



- Cyan (25%)
- Magenta (0%)
- Yellow (61%)
- Black (7%)




- Cyan (30%)
- Magenta (7%)
- Yellow (64%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 70.2462, 0.3548, 0.4953 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 70.2462, 0.3548, 0.4953 by changing the saturation by 10% instead.



 70.2462, 0.3548,  
0.4953

 70.2462, 0.3548,  
0.4953


461.4140, 0.3405,  
0.4152

 51.7273, 0.3562,  
0.5135


 119.5598, 0.3512,  
0.4674

 36.7877, 0.3569,  
0.5356


 151.1232, 0.3494,  
0.4565

 25.0432, 0.3560,  
0.5627


 187.8036, 0.3476,  
0.4472

 16.1092, 0.3516,  
0.5959

 229.9854, 0.3460,  
0.4391

 9.6015, 0.3446,  
0.6449

278.0529, 0.3445,  
0.4320

 5.1355, 0.3148,  
0.6852

332.3906, 0.3430,

 2.3270, 0.2617,

0.4257

0.7383

393.3828, 0.3417,  
0.4202

0.7879, 0.0000,  
1.0000

0.0000, 0.0000,  
0.0000

70.2462, 0.3548,  
0.4953

70.2462, 0.3548,  
0.4953

68.7997, 0.3568,  
0.5189

71.9071, 0.3506,  
0.4686

67.5444, 0.3564,  
0.5381


73.7855, 0.3447,  
0.4401


66.4670, 0.3536,  
0.5521


75.8956, 0.3376,  
0.4111


65.5921, 0.3493,  
0.5609


78.2476, 0.3297,  
0.3827

 80.8511, 0.3215,  
0.3557

 83.7150, 0.3132,  
0.3305

 86.6396, 0.3070,  
0.3103

 88.4088, 0.3133,  
0.3107

 88.4819, 0.3136,  
0.3107

# Harmonies

## Analogous

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



70.2462, 0.4317, 0.4659



70.2462, 0.3548, 0.4953



70.2462, 0.2713, 0.4606

# Triad

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



70.2462, 0.3548, 0.4953



70.2462, 0.1654, 0.2202



70.2462, 0.4266, 0.2836

# Complementary

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



70.2462, 0.3548, 0.4953



20.4710, 0.2377, 0.1528

# 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.



70.2462, 0.3368, 0.2346



70.2462, 0.3548, 0.4953



70.2462, 0.1931, 0.1981

# Square

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



70.2462, 0.3548, 0.4953



70.2462, 0.1682, 0.2772



70.2462, 0.2515, 0.2043



70.2462, 0.4824, 0.3435



# Rectangle

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



70.2462, 0.3548, 0.4953



70.2462, 0.2232, 0.4024



70.2462, 0.2515, 0.2043



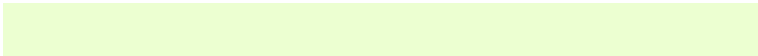
70.2462, 0.3985, 0.2657

# Sweetspot

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



70.2493, 0.3548, 0.4953



94.0229, 0.3277, 0.3757



40.5037, 0.4582, 0.3906



19.9382, 0.3301, 0.3838



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.



70.2493, 0.3548, 0.4953



81.5796, 0.3570, 0.5246



63.9362, 0.3103, 0.5211



17.3043, 0.3205, 0.3527



36.2265, 0.3503, 0.5600



2.9006, 0.3597, 0.5526



# Inverse Universe

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



20.4710, 0.2377, 0.1528



17.4275, 0.2182, 0.1198



29.3693, 0.3051, 0.1825



14.8475, 0.3043, 0.3051



4.7754, 0.1856, 0.0796

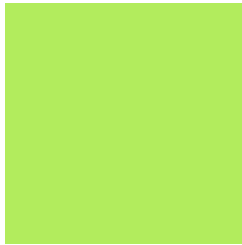


0.4298, 0.2011, 0.0881



# Previews

## White Background



This preview shows how the Yxy color 70.2462, 0.3548, 0.4953 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 70.2462, 0.3548, 0.4953 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 70.2462, 0.3548, 0.4953**

## Background



This preview shows how black text looks on a background with the Yxy color 70.2462, 0.3548, 0.4953.



This preview shows how white text looks on a background with the Yxy color 70.2462, 0.3548, 0.4953.

# 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

70.2462, 0.3548, 0.4953

### Protanopia

69.7246, 0.4160, 0.4571

### Deuteranopia

69.4598, 0.3944, 0.3939



## Tritanopia

69.8152, 0.2852, 0.3089

# Trichromacy



## Original Color

70.2462, 0.3548, 0.4953



## Protanomaly

69.6487, 0.3926, 0.4716



## Deuteranomaly

68.5262, 0.3815, 0.4297



## Tritanomaly

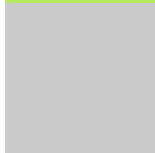
68.8850, 0.3132, 0.3766

# Monochromacy



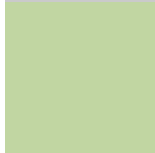
## Original Color

70.2462, 0.3548, 0.4953



## Achromatopsia

59.0619, 0.3127, 0.3290



## Achromatomaly

62.0392, 0.3327, 0.3927

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 70.2462, 0.3548, 0.4953 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(178, 236, 93)` looks like.

```
.text, #text, p{  
    color:rgb(178, 236, 93)  
}
```

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(178, 236, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 236, 93) }
```

## Border

The CSS property to change the border of an element to Yxy 70.2462, 0.3548, 0.4953 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(178, 236, 93) }
```

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

```
.border{ border-color:rgb(178, 236, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 236, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 236, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 236, 93);  
box-shadow:4px 4px 4px 4px rgb(178, 236,  
93) }
```



# Background

The CSS property to change the background color of an element to Yxy 70.2462, 0.3548, 0.4953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 236, 93) }
```

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

```
.background{ background-color: rgb(178,  
236, 93) }
```

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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