

Converting Colors

$Y_{xy}(70.9381, 0.3523, 0.4912)$

Have a look what the booklet for
Yxy(70.9381, 0.3523, 0.4912)
contains.

Yxy(70.9152, 0.3523, 0.4913)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.9152, 0.3523, 0.4913)

Conversions

Conversions Part 1

Format	Color
Hex	B2ED62
RGB	178, 237, 98
RGB Percent	70%, 93%, 38%
CMY	0.3019, 0.0706, 0.6155
CMYK	0.25, 0.00, 0.59, 0.07
HSL	85°, 79%, 66%
HSV	85°, 59%, 93%
XYZ	50.8517, 70.9152, 22.5751
YIQ	203.5130, 9.4550, -55.7370

Conversions

Conversions Part 2

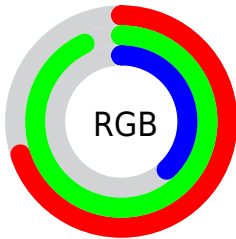
Format	Color
RYB	98, 237, 157
Decimal	11726178
CIELab	87.44, -39.97, 59.98
CIELCh	87, 72.078, 123.681
Yxy	70.9152, 0.3523, 0.4913
Android (android.graphics.Color)	4289916258 (0xFFB2ED62)
YUV	203.5130, -52.0179, -22.3749
Hunter-Lab	84.2112, -39.5807, 43.0535

Details

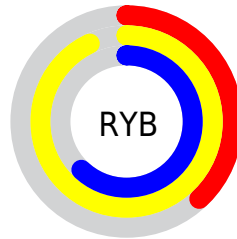
The Yxy color **70.9152, 0.3523, 0.4913** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **22.0328, 0.2429, 0.1594**, and the grayscale version is **60.3953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.6528, 0.3597, 0.4332**, and **37.2799, 0.3537, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **69.3876, 0.3545, 0.5160**, and if you desaturate by 10%, it is **72.6689, 0.3481, 0.4638**.

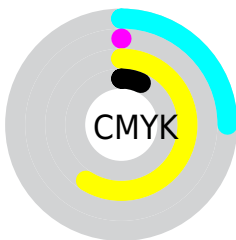
Distribution



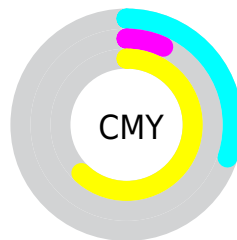
- Red (70%)
- Green (93%)
- Blue (38%)



- Red (38%)
- Yellow (93%)
- Blue (62%)



- Cyan (25%)
- Magenta (0%)
- Yellow (59%)
- Black (7%)





- Cyan (30%)
- Magenta (7%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.9152, 0.3523, 0.4913 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 70.9152, 0.3523, 0.4913 by changing the saturation by 10% instead.


 70.9152, 0.3523,
0.4913

 70.9152, 0.3523,
0.4913


463.7569, 0.3388,
0.4131

 52.2730, 0.3537,
0.5092

 120.5130, 0.3489,
0.4640

 37.2227, 0.3544,
0.5310


 152.2373, 0.3472,
0.4534

 25.3800, 0.3536,
0.5578


 189.0912, 0.3455,
0.4442

 16.3604, 0.3497,
0.5910

 231.4590, 0.3440,
0.4363

 9.7795, 0.3419,
0.6372

279.7250, 0.3425,
0.4294

 5.2530, 0.3162,
0.6838

334.2738, 0.3412,

 2.3965, 0.2640,

0.4233

0.7360

395.4896, 0.3400,
0.4179

0.8241, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.9152, 0.3523,
0.4913

70.9152, 0.3523,
0.4913

69.3876, 0.3545,
0.5160

72.6689, 0.3481,
0.4638

68.0627, 0.3543,
0.5365

74.6518, 0.3422,
0.4348


66.9276, 0.3517,
0.5518


76.8783, 0.3352,
0.4057


65.9593, 0.3471,
0.5619


79.3587, 0.3276,
0.3774

 65.8354, 0.3464,
0.5631

 82.1028, 0.3196,
0.3506

 85.1198, 0.3116,
0.3257

 87.8280, 0.3092,
0.3115

 89.0499, 0.3135,
0.3117

Harmonies

Analogous

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



70.9152, 0.4280, 0.4646



70.9152, 0.3523, 0.4913



70.9152, 0.2706, 0.4553

Triad

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



70.9152, 0.3523, 0.4913



70.9152, 0.1685, 0.2216



70.9152, 0.4259, 0.2861

Complementary

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



70.9152, 0.3523, 0.4913



22.0328, 0.2429, 0.1594

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.



70.9152, 0.3387, 0.2374



70.9152, 0.3523, 0.4913



70.9152, 0.1965, 0.2004

Square

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



70.9152, 0.3523, 0.4913



70.9152, 0.1705, 0.2767



70.9152, 0.2547, 0.2071



70.9152, 0.4792, 0.3452

Rectangle

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



70.9152, 0.3523, 0.4913



70.9152, 0.2237, 0.3981



70.9152, 0.2547, 0.2071



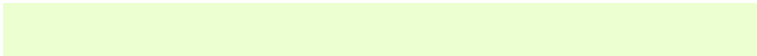
70.9152, 0.3988, 0.2683

Sweetspot

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



70.9183, 0.3523, 0.4913



93.8777, 0.3271, 0.3758



42.6474, 0.4502, 0.3917



19.9027, 0.3294, 0.3839



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.



70.9183, 0.3523, 0.4913



81.6576, 0.3546, 0.5197



64.7441, 0.3094, 0.5153



17.2900, 0.3203, 0.3527



36.0218, 0.3475, 0.5623



2.8851, 0.3571, 0.5546

Inverse Universe

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



22.0328, 0.2429, 0.1594



19.1614, 0.2254, 0.1283



30.9354, 0.3078, 0.1873



14.8615, 0.3046, 0.3051



4.9107, 0.1887, 0.0813



0.4412, 0.2042, 0.0898

Previews

White Background



This preview shows how the Yxy color 70.9152, 0.3523, 0.4913 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 70.9152, 0.3523, 0.4913 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

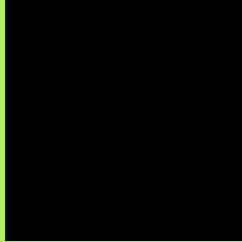
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.9152, 0.3523, 0.4913

Background



This preview shows how black text looks on a background with the Yxy color 70.9152, 0.3523, 0.4913.



This preview shows how white text looks on a background with the Yxy color 70.9152, 0.3523, 0.4913.

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

70.9152, 0.3523, 0.4913

Protanopia

70.5080, 0.4137, 0.4538

Deuteranopia

70.0829, 0.3910, 0.3908



Tritanopia

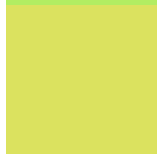
70.4041, 0.2847, 0.3089

Trichromacy



Original Color

70.9152, 0.3523, 0.4913



Protanomaly

70.2790, 0.3897, 0.4683



Deuteranomaly

69.1832, 0.3779, 0.4256



Tritanomaly

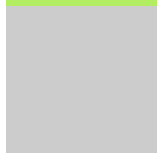
69.5162, 0.3119, 0.3753

Monochromacy



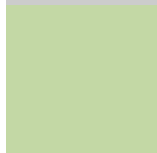
Original Color

70.9152, 0.3523, 0.4913



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.4304, 0.3318, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.9152, 0.3523, 0.4913 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, 237, 98)` looks like.

```
.text, #text, p{  
    color:rgb(178, 237, 98)  
}
```

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, 237, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 237, 98) }
```

Border

The CSS property to change the border of an element to Yxy 70.9152, 0.3523, 0.4913 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, 237, 98) }
```

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

```
.border{ border-color:rgb(178, 237, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 237, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 237, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 237, 98);  
box-shadow:4px 4px 4px 4px rgb(178, 237,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 70.9152, 0.3523, 0.4913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 237, 98) }
```

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

```
.background{ background-color: rgb(178,  
237, 98) }
```

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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