

Converting Colors

$Y_{xy}(70.5070, 0.3596, 0.4873)$

Have a look what the booklet for
Yxy(70.5070, 0.3596, 0.4873)
contains.

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Color

Yxy(70.7188, 0.3593, 0.4876)

Conversions

Conversions Part 1

Format	Color
Hex	BAEB61
RGB	186, 235, 97
RGB Percent	73%, 92%, 38%
CMY	0.2707, 0.0784, 0.6197
CMYK	0.21, 0.00, 0.59, 0.08
HSL	81°, 78%, 65%
HSV	81°, 59%, 92%
XYZ	52.1109, 70.7188, 22.2048
YIQ	204.6170, 15.0940, -53.3060

Conversions

Conversions Part 2

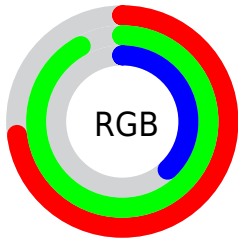
Format	Color
RYB	97, 235, 146
Decimal	12249953
CIELab	87.35, -36.24, 60.46
CIELCh	87, 70.492, 120.935
Yxy	70.7188, 0.3593, 0.4876
Android (android.graphics.Color)	4290440033 (0xFFBAEB61)
YUV	204.6170, -53.0552, -16.3271
Hunter-Lab	84.0945, -36.5541, 43.2109

Details

The Yxy color **70.7188, 0.3593, 0.4876** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **20.6540, 0.2345, 0.1556**, and the grayscale version is **61.1280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.1995, 0.3665, 0.4319**, and **37.0605, 0.3629, 0.5262** is the 20% darker color. If you saturate the color by 10%, you get **69.3317, 0.3626, 0.5109**, and if you desaturate by 10%, it is **72.3031, 0.3539, 0.4614**.

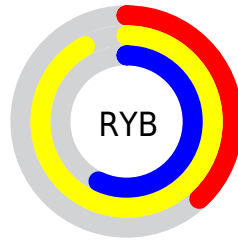
Distribution



Red (73%)

Green (92%)

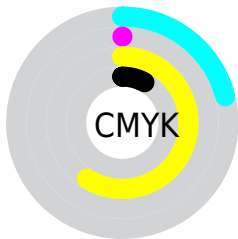
Blue (38%)



Red (38%)

Yellow (92%)

Blue (57%)

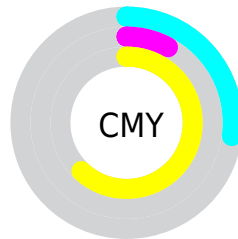


Cyan (21%)

Magenta (0%)

Yellow (59%)

Black (8%)



Cyan (27%)


Magenta (8%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.7188, 0.3593, 0.4876 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 70.7188, 0.3593, 0.4876 by changing the saturation by 10% instead.


 70.7188, 0.3593,
0.4876


 70.7188, 0.3593,
0.4876


463.0698, 0.3424,
0.4117

 52.1127, 0.3615,
0.5048


 120.2332, 0.3547,
0.4612

 37.0950, 0.3631,
0.5256


 151.9104, 0.3525,
0.4509

 25.2810, 0.3636,
0.5511


 188.7134, 0.3505,
0.4421

 16.2865, 0.3611,
0.5824

 231.0267, 0.3486,
0.4344

 9.7271, 0.3559,
0.6264

279.2346, 0.3469,
0.4276

 5.2184, 0.3323,
0.6677

333.7214, 0.3453,

 2.3760, 0.2845,

0.4217

0.7155

394.8717, 0.3438,
0.4164

0.8135, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

70.7188, 0.3593,
0.4876

70.7188, 0.3593,
0.4876

69.3317, 0.3626,
0.5109

72.3031, 0.3539,
0.4614

68.1194, 0.3634,
0.5300


74.0865, 0.3468,
0.4335


67.0701, 0.3617,
0.5441

76.0826, 0.3387,
0.4051

66.1618, 0.3579,
0.5534


78.3008, 0.3298,
0.3773


 66.0536, 0.3574,
0.5545

 80.7500, 0.3207,
0.3508

 83.4385, 0.3116,
0.3260

 85.9497, 0.3067,
0.3093

 87.4803, 0.3121,
0.3097

 87.9028, 0.3136,
0.3097

Harmonies

Analogous

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



70.7188, 0.4319, 0.4580



70.7188, 0.3593, 0.4876



70.7188, 0.2787, 0.4583

Triad

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



70.7188, 0.3593, 0.4876



70.7188, 0.1699, 0.2272



70.7188, 0.4166, 0.2821

Complementary

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



70.7188, 0.3593, 0.4876



20.6540, 0.2345, 0.1556

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.



70.7188, 0.3301, 0.2355



70.7188, 0.3593, 0.4876



70.7188, 0.1948, 0.2034

Square

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



70.7188, 0.3593, 0.4876



70.7188, 0.1748, 0.2848



70.7188, 0.2495, 0.2076



70.7188, 0.4731, 0.3398

Rectangle

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



70.7188, 0.3593, 0.4876



70.7188, 0.2313, 0.4051



70.7188, 0.2495, 0.2076



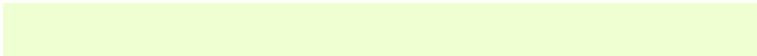
70.7188, 0.3893, 0.2649

Sweetspot

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



70.7219, 0.3593, 0.4876



94.4264, 0.3292, 0.3755



38.8645, 0.4576, 0.3818



20.0369, 0.3318, 0.3835



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.



70.7219, 0.3593, 0.4876



83.2028, 0.3629, 0.5142



64.1143, 0.3143, 0.5128



17.3439, 0.3213, 0.3527



36.8322, 0.3583, 0.5537



2.9458, 0.3668, 0.5469

Inverse Universe

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



20.6540, 0.2345, 0.1556



18.0250, 0.2156, 0.1235



28.8849, 0.2987, 0.1832



14.8092, 0.3035, 0.3050



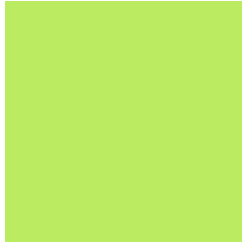
4.4386, 0.1777, 0.0753



0.4008, 0.1930, 0.0837

Previews

White Background



This preview shows how the Yxy color 70.7188, 0.3593, 0.4876 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 70.7188, 0.3593, 0.4876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

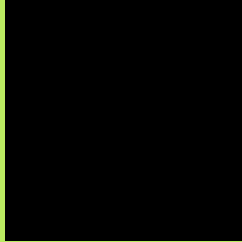
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.7188, 0.3593, 0.4876

Background



This preview shows how black text looks on a background with the Yxy color 70.7188, 0.3593, 0.4876.



This preview shows how white text looks on a background with the Yxy color 70.7188, 0.3593, 0.4876.

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

70.7188, 0.3593, 0.4876

Protanopia

70.4904, 0.4142, 0.4546

Deuteranopia

70.0505, 0.3918, 0.3918



Tritanopia

70.7233, 0.2904, 0.3102

Trichromacy



Original Color

70.7188, 0.3593, 0.4876

Protanomaly

70.1882, 0.3931, 0.4670

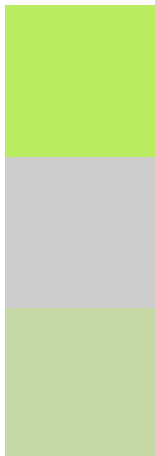
Deuteranomaly

69.6481, 0.3809, 0.4257

Tritanomaly

69.8509, 0.3175, 0.3747

Monochromacy



Original Color

70.7188, 0.3593, 0.4876

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

63.8707, 0.3335, 0.3892

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7188, 0.3593, 0.4876 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(186, 235, 97)` looks like.

```
.text, #text, p{  
    color:rgb(186, 235, 97)  
}
```

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(186, 235, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 235, 97) }
```

Border

The CSS property to change the border of an element to Yxy 70.7188, 0.3593, 0.4876 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(186, 235, 97) }
```

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

```
.border{ border-color:rgb(186, 235, 97) }
```

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

Here you see how a box with a 4 pixel rgb(186, 235, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 235, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 235, 97);  
box-shadow:4px 4px 4px 4px rgb(186, 235,  
97) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7188, 0.3593, 0.4876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 235, 97) }
```

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

```
.background{ background-color: rgb(186,  
235, 97) }
```

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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