

Converting Colors

$Yxy(65.7546, 0.3777, 0.4986)$

Have a look what the booklet for
Yxy(65.7546, 0.3777, 0.4986)
contains.

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Color

Yxy(65.9501, 0.3772, 0.4987)

Conversions

Conversions Part 1

Format	Color
Hex	BFE249
RGB	191, 226, 73
RGB Percent	75%, 89%, 29%
CMY	0.2511, 0.1137, 0.7135
CMYK	0.15, 0.00, 0.68, 0.11
HSL	74°, 73%, 59%
HSV	74°, 68%, 89%
XYZ	49.8824, 65.9501, 16.4115
YIQ	198.0930, 28.2530, -55.0030

Conversions

Conversions Part 2

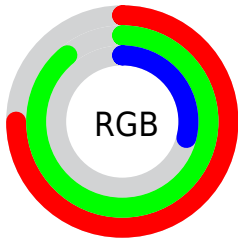
Format	Color
RYB	73, 226, 108
Decimal	12575305
CIELab	84.97, -31.91, 67.65
CIELCh	85, 74.799, 115.252
Yxy	65.9501, 0.3772, 0.4987
Android (android.graphics.Color)	4290765385 (0xFFBFE249)
YUV	198.0930, -61.6708, -6.2206
Hunter-Lab	81.2097, -32.4746, 44.8650

Details

The Yxy color **65.9501, 0.3772, 0.4987** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **13.4560, 0.2044, 0.1233**, and the grayscale version is **56.9035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.4290, 0.3820, 0.4509**, and **34.1942, 0.3817, 0.5351** is the 20% darker color. If you saturate the color by 10%, you get **65.0464, 0.3805, 0.5157**, and if you desaturate by 10%, it is **66.9924, 0.3715, 0.4776**.

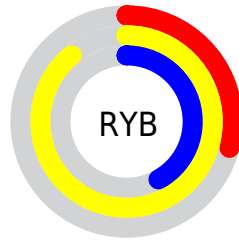
Distribution



Red (75%)

Green (89%)

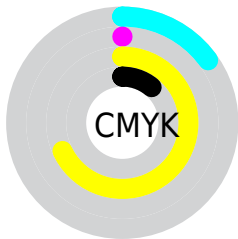
Blue (29%)



Red (29%)

Yellow (89%)

Blue (42%)

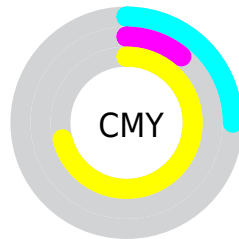


Cyan (15%)

Magenta (0%)

Yellow (68%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9501, 0.3772, 0.4987 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 65.9501, 0.3772, 0.4987 by changing the saturation by 10% instead.


 65.9501, 0.3772,
0.4987


 65.9501, 0.3772,
0.4987


446.1984, 0.3532,
0.4184


 48.2319, 0.3804,
0.5162


 113.4147, 0.3706,
0.4712

 34.0106, 0.3829,
0.5371


 143.9299, 0.3675,
0.4603

 22.9017, 0.3836,
0.5617


 179.4796, 0.3646,
0.4509

 14.5210, 0.3809,
0.5909

 220.4481, 0.3619,
0.4427

 8.4839, 0.3725,
0.6275

 267.2198, 0.3594,
0.4355

 4.4061, 0.3433,
0.6567

320.1792, 0.3571,

 1.9032, 0.2950,

0.4291

0.7050

379.7106, 0.3551,
0.4234

0.5503, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.9501, 0.3772,
0.4987

65.9501, 0.3772,
0.4987

65.0464, 0.3805,
0.5157

66.9924, 0.3715,
0.4776

64.2596, 0.3811,
0.5281


68.1751, 0.3636,
0.4535


63.5756, 0.3794,
0.5359


69.5108, 0.3541,
0.4274


63.4252, 0.3788,
0.5374


71.0081, 0.3436,
0.4005

 72.6751, 0.3325,
0.3738

 74.5189, 0.3212,
0.3479

 76.5466, 0.3102,
0.3235

 78.7645, 0.2996,
0.3007

 79.7188, 0.3023,
0.2999

Harmonies

Analogous

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



65.9501, 0.4517, 0.4555



65.9501, 0.3772, 0.4987



65.9501, 0.2907, 0.4829

Triad

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



65.9501, 0.3772, 0.4987



65.9501, 0.1587, 0.2275



65.9501, 0.4087, 0.2676

Complementary

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



65.9501, 0.3772, 0.4987



13.4560, 0.2044, 0.1233

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.



65.9501, 0.3130, 0.2216



65.9501, 0.3772, 0.4987



65.9501, 0.1791, 0.1968

Square

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



65.9501, 0.3772, 0.4987



65.9501, 0.1696, 0.2962



65.9501, 0.2309, 0.1964



65.9501, 0.4792, 0.3269

Rectangle

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



65.9501, 0.3772, 0.4987



65.9501, 0.2375, 0.4310



65.9501, 0.2309, 0.1964



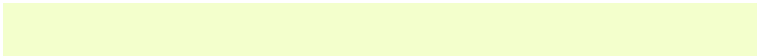
65.9501, 0.3774, 0.2504

Sweetspot

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



65.9531, 0.3772, 0.4987



94.9915, 0.3352, 0.3803



26.9992, 0.5082, 0.3635



20.1978, 0.3384, 0.3879



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.



65.9531, 0.3772, 0.4987



85.1035, 0.3810, 0.5211



58.6188, 0.3241, 0.5328



15.8631, 0.3232, 0.3524



36.2366, 0.3795, 0.5369



2.5508, 0.3859, 0.5318

Inverse Universe

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



13.4560, 0.2044, 0.1233



11.8442, 0.1821, 0.0901



20.2899, 0.2739, 0.1563



13.3940, 0.3016, 0.3050



3.5896, 0.1627, 0.0670



0.2889, 0.1778, 0.0753

Previews

White Background



This preview shows how the Yxy color 65.9501, 0.3772, 0.4987 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 65.9501, 0.3772, 0.4987 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 65.9501, 0.3772, 0.4987

Background



This preview shows how black text looks on a background with the Yxy color 65.9501, 0.3772, 0.4987.



This preview shows how white text looks on a background with the Yxy color 65.9501, 0.3772, 0.4987.

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

65.9501, 0.3772, 0.4987

Protanopia

65.5212, 0.4247, 0.4673

Deuteranopia

65.3038, 0.4177, 0.4138



Tritanopia

65.5999, 0.2991, 0.3100

Trichromacy



Original Color

65.9501, 0.3772, 0.4987

Protanomaly

65.2835, 0.4070, 0.4794

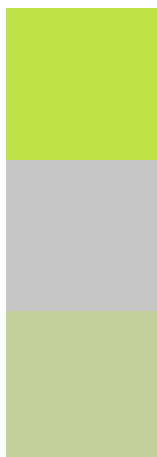
Deuteranomaly

64.7036, 0.4049, 0.4443

Tritanomaly

64.6468, 0.3324, 0.3813

Monochromacy



Original Color

65.9501, 0.3772, 0.4987

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

59.0138, 0.3418, 0.3969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9501, 0.3772, 0.4987 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(191, 226, 73)` looks like.

```
.text, #text, p{  
    color:rgb(191, 226, 73)  
}
```

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(191, 226, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 226, 73) }
```

Border

The CSS property to change the border of an element to Yxy 65.9501, 0.3772, 0.4987 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(191, 226, 73) }
```

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

```
.border{ border-color:rgb(191, 226, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 226, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 226, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 226, 73);  
box-shadow:4px 4px 4px 4px rgb(191, 226,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9501, 0.3772, 0.4987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 226, 73) }
```

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

```
.background{ background-color: rgb(191,  
226, 73) }
```

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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