

Converting Colors

Yxy(51.7611, 0.3388, 0.4142)

Have a look what the booklet for
Yxy(51.7611, 0.3388, 0.4142)
contains.

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Color

Yxy(51.6231, 0.3387, 0.4131)

Conversions

Conversions Part 1

Format	Color
Hex	AEC788
RGB	174, 199, 136
RGB Percent	68%, 78%, 53%
CMY	0.3175, 0.2196, 0.4668
CMYK	0.13, 0.00, 0.32, 0.22
HSL	84°, 36%, 66%
HSV	84°, 32%, 78%
XYZ	42.3257, 51.6231, 31.0163
YIQ	184.3430, 5.3230, -24.8930

Conversions

Conversions Part 2

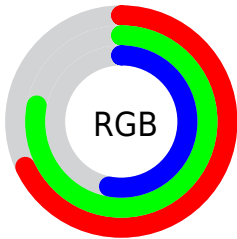
Format	Color
RYB	136, 199, 161
Decimal	11454344
CIELab	77.05, -19.28, 28.84
CIELCh	77, 34.694, 123.758
Yxy	51.6231, 0.3387, 0.4131
Android (android.graphics.Color)	4289644424 (0xFFAEC788)
YUV	184.3430, -23.8331, -9.0708
Hunter-Lab	71.8492, -20.5835, 24.6998

Details

The Yxy color **51.6231, 0.3387, 0.4131** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **29.2970, 0.2793, 0.2421**, and the grayscale version is **48.2668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0607, 0.3347, 0.3966**, and **24.9716, 0.3447, 0.4381** is the 20% darker color. If you saturate the color by 10%, you get **50.2317, 0.3458, 0.4417**, and if you desaturate by 10%, it is **53.1772, 0.3308, 0.3850**.

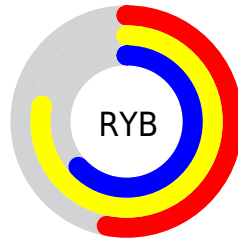
Distribution



Red (68%)

Green (78%)

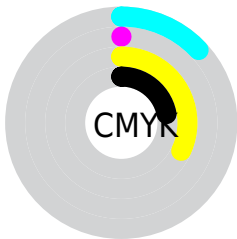
Blue (53%)



Red (53%)

Yellow (78%)

Blue (63%)

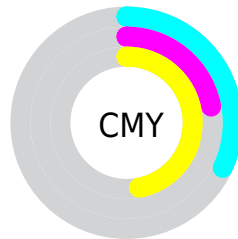


Cyan (13%)

Magenta (0%)

Yellow (32%)

Black (22%)



Cyan (32%)


Magenta (22%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.6231, 0.3387, 0.4131 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 51.6231, 0.3387, 0.4131 by changing the saturation by 10% instead.


 51.6231, 0.3387,
0.4131


 51.6231, 0.3387,
0.4131


392.9798, 0.3269,
0.3705


 36.7047, 0.3412,
0.4238


 92.5752, 0.3347,
0.3975

 24.9790, 0.3441,
0.4376


 119.3776, 0.3332,
0.3917

 16.0614, 0.3474,
0.4558


 150.9103, 0.3318,
0.3868

 9.5676, 0.3510,
0.4809

187.5575, 0.3306,
0.3826

 5.1132, 0.3539,
0.5174

229.7037, 0.3295,
0.3789

 2.3138, 0.3767,
0.6130

277.7332, 0.3286,

 0.7810, 0.2581,

0.3758

0.7419

332.0304, 0.3277,
0.3730

0.0000, 0.0000,
0.0000

51.6231, 0.3387,
0.4131

51.6231, 0.3387,
0.4131

50.2317, 0.3458,
0.4417

53.1772, 0.3308,
0.3850

48.9896, 0.3518,
0.4696

54.8936, 0.3225,
0.3582

47.8916, 0.3560,
0.4958


56.7803, 0.3141,
0.3330

46.9297, 0.3580,
0.5188


58.8429, 0.3059,
0.3098


46.0947, 0.3577,
0.5375

61.0866, 0.2981,
0.2887


 45.3760, 0.3550,
0.5511

 63.4923, 0.2909,
0.2700

 44.8502, 0.3514,
0.5592

 64.7619, 0.2965,
0.2710

 66.0904, 0.3022,
0.2720

 67.4786, 0.3079,
0.2729

Harmonies

Analogous

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



51.6231, 0.3799, 0.4066



51.6231, 0.3387, 0.4131



51.6231, 0.2924, 0.3919

Triad

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



51.6231, 0.3387, 0.4131



51.6231, 0.2286, 0.2704



51.6231, 0.3736, 0.3066

Complementary

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



51.6231, 0.3387, 0.4131



29.2970, 0.2793, 0.2421

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.



51.6231, 0.3284, 0.2761



51.6231, 0.3387, 0.4131



51.6231, 0.2464, 0.2549

Square

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



51.6231, 0.3387, 0.4131



51.6231, 0.2309, 0.3039



51.6231, 0.2819, 0.2576



51.6231, 0.4020, 0.3434

Rectangle

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



51.6231, 0.3387, 0.4131



51.6231, 0.2649, 0.3650



51.6231, 0.2819, 0.2576



51.6231, 0.3596, 0.2954

Sweetspot

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



51.6254, 0.3387, 0.4131



96.5988, 0.3212, 0.3542



39.1075, 0.3745, 0.3608



20.5791, 0.3224, 0.3579



0.0000, 0.0000, 0.0000



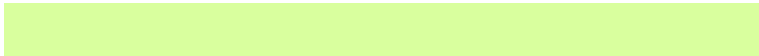
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51.6254, 0.3387, 0.4131



88.6829, 0.3437, 0.4328



48.4927, 0.3139, 0.4199



12.1992, 0.3205, 0.3522



28.8917, 0.3523, 0.5585



1.4092, 0.3663, 0.5474

Inverse Universe

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



29.2970, 0.2793, 0.2421



43.5105, 0.2701, 0.2210



32.8856, 0.3091, 0.2494



10.4891, 0.3043, 0.3056



3.7641, 0.1848, 0.0791



0.2201, 0.2090, 0.0925

Previews

White Background



This preview shows how the Yxy color 51.6231, 0.3387, 0.4131 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 51.6231, 0.3387, 0.4131 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

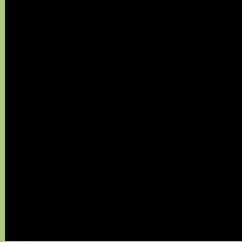
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.6231, 0.3387, 0.4131

Background



This preview shows how black text looks on a background with the Yxy color 51.6231, 0.3387, 0.4131.



This preview shows how white text looks on a background with the Yxy color 51.6231, 0.3387, 0.4131.

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

51.6231, 0.3387, 0.4131

Protanopia

51.4720, 0.3717, 0.4006

Deuteranopia

51.3569, 0.3866, 0.3781



Tritanopia

51.4250, 0.2969, 0.3103

Trichromacy



Original Color

51.6231, 0.3387, 0.4131

Protanomaly

51.3027, 0.3600, 0.4054

Deuteranomaly

50.9523, 0.3678, 0.3896

Tritanomaly

51.1385, 0.3119, 0.3458

Monochromacy



Original Color

51.6231, 0.3387, 0.4131

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.8885, 0.3222, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.6231, 0.3387, 0.4131 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(174, 199, 136)` looks like.

```
.text, #text, p{  
    color:rgb(174, 199, 136)  
}
```

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(174, 199, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 199, 136) }
```

Border

The CSS property to change the border of an element to Yxy 51.6231, 0.3387, 0.4131 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(174, 199, 136) }
```

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

```
.border{ border-color:rgb(174, 199, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 199, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 199, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 199, 136);  
box-shadow:4px 4px 4px 4px rgb(174, 199,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 51.6231, 0.3387, 0.4131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 199, 136) }
```

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

```
.background{ background-color: rgb(174,  
199, 136) }
```

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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