

Converting Colors

Yxy(63.7413, 0.3652, 0.5215)

Have a look what the booklet for
Yxy(63.7413, 0.3652, 0.5215)
contains.

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Color

Yxy(63.6686, 0.3652, 0.5217)

Conversions

Conversions Part 1

Format	Color
Hex	A9E339
RGB	169, 227, 57
RGB Percent	66%, 89%, 22%
CMY	0.3372, 0.1098, 0.7767
CMYK	0.26, 0.00, 0.75, 0.11
HSL	80°, 75%, 56%
HSV	80°, 75%, 89%
XYZ	44.5692, 63.6686, 13.8028
YIQ	190.2780, 20.0020, -65.1660

Conversions

Conversions Part 2

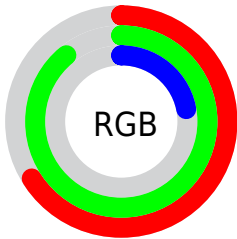
Format	Color
RYB	57, 227, 115
Decimal	11133753
CIELab	83.79, -41.69, 71.59
CIELCh	84, 82.843, 120.216
Yxy	63.6686, 0.3652, 0.5217
Android (android.graphics.Color)	4289323833 (0xFFA9E339)
YUV	190.2780, -65.7061, -18.6608
Hunter-Lab	79.7926, -39.9335, 45.5986

Details

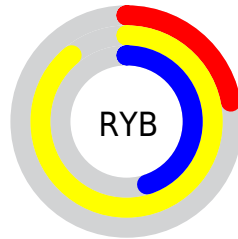
The Yxy color **63.6686, 0.3652, 0.5217** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **12.1081, 0.2067, 0.1118**, and the grayscale version is **52.0375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.2749, 0.3728, 0.4694**, and **32.5706, 0.3602, 0.5522** is the 20% darker color. If you saturate the color by 10%, you get **62.6623, 0.3647, 0.5376**, and if you desaturate by 10%, it is **64.8324, 0.3631, 0.5011**.

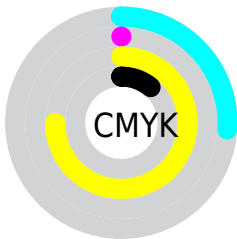
Distribution



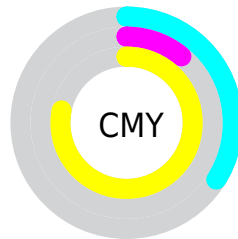
- Red (66%)
- Green (89%)
- Blue (22%)



- Red (22%)
- Yellow (89%)
- Blue (45%)



- Cyan (26%)
- Magenta (0%)
- Yellow (75%)
- Black (11%)





- Cyan (34%)
- Magenta (11%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 63.6686, 0.3652, 0.5217 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 63.6686, 0.3652, 0.5217 by changing the saturation by 10% instead.

 63.6686, 0.3652,
0.5217


 63.6686, 0.3652,
0.5217


437.9919, 0.3484,
0.4289


 46.3823, 0.3661,
0.5422


 110.1335, 0.3616,
0.4897

 32.5476, 0.3654,
0.5665


 140.0810, 0.3595,
0.4771


 21.7801, 0.3616,
0.5953


 175.0176, 0.3574,
0.4662

 13.6954, 0.3544,
0.6330

 215.3277, 0.3554,
0.4568

 7.9091, 0.3321,
0.6679

 261.3958, 0.3535,
0.4485

 4.0369, 0.2919,
0.7081

313.6063, 0.3517,

 1.6942, 0.2038,

0.4412

0.7962

372.3435, 0.3500,
0.4347

0.4199, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.6686, 0.3652,
0.5217

63.6686, 0.3652,
0.5217

62.6623, 0.3647,
0.5376

64.8324, 0.3631,
0.5011

61.7895, 0.3618,
0.5484

66.1581, 0.3587,
0.4769

61.3857, 0.3598,
0.5525

67.6595, 0.3524,
0.4501

69.3468, 0.3446,
0.4222

71.2290, 0.3359,
0.3941

73.3143, 0.3266,
0.3669

75.6108, 0.3173,
0.3411

78.1257, 0.3081,
0.3170

80.4569, 0.3030,
0.3010

Harmonies

Analogous

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



63.6686, 0.4516, 0.4761



63.6686, 0.3652, 0.5217



63.6686, 0.2707, 0.4929

Triad

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



63.6686, 0.3652, 0.5217



63.6686, 0.1462, 0.2080



63.6686, 0.4363, 0.2706

Complementary

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



63.6686, 0.3652, 0.5217



12.1081, 0.2067, 0.1118

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.



63.6686, 0.3297, 0.2182



63.6686, 0.3652, 0.5217



63.6686, 0.1734, 0.1821

Square

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



63.6686, 0.3652, 0.5217



63.6686, 0.1513, 0.2749



63.6686, 0.2346, 0.1870



63.6686, 0.5058, 0.3353

Rectangle

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



63.6686, 0.3652, 0.5217



63.6686, 0.2153, 0.4258



63.6686, 0.2346, 0.1870



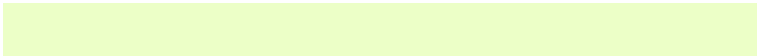
63.6686, 0.4023, 0.2513

Sweetspot

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



63.6714, 0.3652, 0.5217



93.4489, 0.3333, 0.3864



28.5781, 0.5165, 0.3845



19.8490, 0.3358, 0.3940



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.



63.6714, 0.3652, 0.5217



80.9074, 0.3634, 0.5443



57.1807, 0.3124, 0.5585



16.5582, 0.3215, 0.3526



35.8652, 0.3607, 0.5518



2.7011, 0.3693, 0.5450

Inverse Universe

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



12.1081, 0.2067, 0.1118



10.8663, 0.1848, 0.0833



20.5629, 0.2896, 0.1535



14.1249, 0.3033, 0.3051



4.2227, 0.1758, 0.0742



0.3619, 0.1919, 0.0831

Previews

White Background



This preview shows how the Yxy color 63.6686, 0.3652, 0.5217 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 63.6686, 0.3652, 0.5217 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 63.6686, 0.3652, 0.5217

Background



This preview shows how black text looks on a background with the Yxy color 63.6686, 0.3652, 0.5217.



This preview shows how white text looks on a background with the Yxy color 63.6686, 0.3652, 0.5217.

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

63.6686, 0.3652, 0.5217

Protanopia

63.3413, 0.4307, 0.4757

Deuteranopia

62.9887, 0.4339, 0.4279



Tritanopia

63.5629, 0.2855, 0.3092

Trichromacy



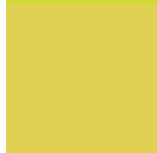
Original Color

63.6686, 0.3652, 0.5217



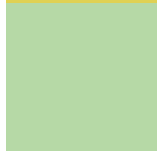
Protanomaly

63.0797, 0.4053, 0.4935



Deuteranomaly

62.0728, 0.4099, 0.4617



Tritanomaly

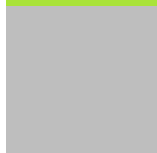
62.3240, 0.3212, 0.3926

Monochromacy



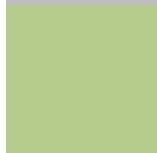
Original Color

63.6686, 0.3652, 0.5217



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

54.6099, 0.3401, 0.4079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6686, 0.3652, 0.5217 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(169, 227, 57)` looks like.

```
.text, #text, p{  
    color:rgb(169, 227, 57)  
}
```

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(169, 227, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 227, 57) }
```

Border

The CSS property to change the border of an element to Yxy 63.6686, 0.3652, 0.5217 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(169, 227, 57) }
```

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

```
.border{ border-color:rgb(169, 227, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 227, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 227, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 227, 57);  
box-shadow:4px 4px 4px 4px rgb(169, 227,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6686, 0.3652, 0.5217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 227, 57) }
```

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

```
.background{ background-color: rgb(169,  
227, 57) }
```

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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