

Converting Colors

$Yxy(64.2777, 0.3684, 0.5187)$

Have a look what the booklet for
Yxy(64.2777, 0.3684, 0.5187)
contains.

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Color

Yxy(64.2423, 0.3687, 0.5184)

Conversions

Conversions Part 1

Format	Color
Hex	AEE33A
RGB	174, 227, 58
RGB Percent	68%, 89%, 23%
CMY	0.3176, 0.1098, 0.7726
CMYK	0.23, 0.00, 0.74, 0.11
HSL	79°, 75%, 56%
HSV	79°, 74%, 89%
XYZ	45.6908, 64.2423, 13.9910
YIQ	191.8870, 22.6610, -63.7950

Conversions

Conversions Part 2

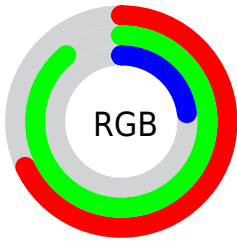
Format	Color
RYB	58, 227, 111
Decimal	11461434
CIELab	84.09, -39.75, 71.65
CIElCh	84, 81.935, 119.020
Yxy	64.2423, 0.3687, 0.5184
Android (android.graphics.Color)	4289651514 (0xFFAEE33A)
YUV	191.8870, -66.0063, -15.6869
Hunter-Lab	80.1513, -38.5095, 45.7564

Details

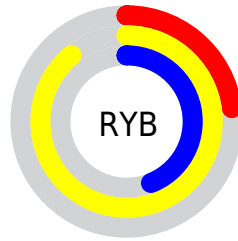
The Yxy color **64.2423, 0.3687, 0.5184** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed chartreuse. A complement of this color would be **11.9471, 0.2036, 0.1109**, and the grayscale version is **53.0277, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1280, 0.3758, 0.4667**, and **32.9077, 0.3650, 0.5484** is the 20% darker color. If you saturate the color by 10%, you get **63.2670, 0.3688, 0.5340**, and if you desaturate by 10%, it is **65.3684, 0.3661, 0.4982**.

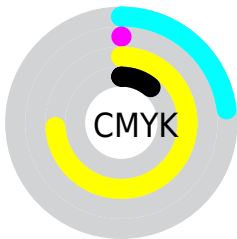
Distribution



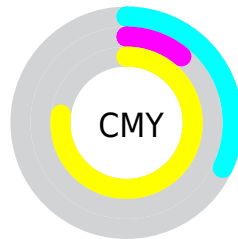
- Red (68%)
- Green (89%)
- Blue (23%)



- Red (23%)
- Yellow (89%)
- Blue (44%)



- Cyan (23%)
- Magenta (0%)
- Yellow (74%)
- Black (11%)



- Cyan (32%)
- Magenta (11%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2423, 0.3687, 0.5184 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 64.2423, 0.3687, 0.5184 by changing the saturation by 10% instead.


 64.2423, 0.3687,
0.5184


 64.2423, 0.3687,
0.5184


440.0641, 0.3502,
0.4277


 46.8470, 0.3701,
0.5383


 110.9598, 0.3644,
0.4872


 32.9147, 0.3700,
0.5619


 141.0508, 0.3621,
0.4749


 22.0611, 0.3671,
0.5896


 176.1424, 0.3598,
0.4643

 13.9018, 0.3607,
0.6255

 216.6190, 0.3576,
0.4551

 8.0524, 0.3405,
0.6595

 262.8652, 0.3555,
0.4469

 4.1285, 0.3026,
0.6974

315.2651, 0.3536,

 1.7457, 0.2269,

0.4398

0.7731

374.2033, 0.3518,
0.4334

0.4530, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

64.2423, 0.3687,
0.5184

64.2423, 0.3687,
0.5184

63.2670, 0.3688,
0.5340

65.3684, 0.3661,
0.4982

62.4187, 0.3664,
0.5446

66.6491, 0.3611,
0.4743

61.9915, 0.3644,
0.5489

68.0984, 0.3542,
0.4480

69.7258, 0.3458,
0.4204

71.5403, 0.3366,
0.3926

73.5500, 0.3269,
0.3656

75.7626, 0.3170,
0.3399

78.1852, 0.3074,
0.3160

80.3467, 0.3026,
0.3009

Harmonies

Analogous

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



64.2423, 0.4532, 0.4722



64.2423, 0.3687, 0.5184



64.2423, 0.2751, 0.4932

Triad

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



64.2423, 0.3687, 0.5184



64.2423, 0.1475, 0.2114



64.2423, 0.4308, 0.2690

Complementary

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



64.2423, 0.3687, 0.5184



11.9471, 0.2036, 0.1109

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.



64.2423, 0.3254, 0.2177



64.2423, 0.3687, 0.5184



64.2423, 0.1732, 0.1840

Square

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



64.2423, 0.3687, 0.5184



64.2423, 0.1540, 0.2794



64.2423, 0.2325, 0.1878



64.2423, 0.5018, 0.3329

Rectangle

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



64.2423, 0.3687, 0.5184



64.2423, 0.2196, 0.4290



64.2423, 0.2325, 0.1878



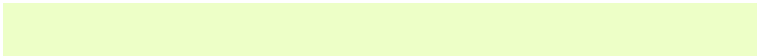
64.2423, 0.3969, 0.2501

Sweetspot

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



64.2452, 0.3687, 0.5184



93.7148, 0.3344, 0.3863



27.5067, 0.5210, 0.3784



19.9121, 0.3370, 0.3937



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.



64.2452, 0.3687, 0.5184



81.7769, 0.3678, 0.5400



57.5086, 0.3152, 0.5556



16.5788, 0.3219, 0.3526



36.2177, 0.3652, 0.5482



2.7252, 0.3733, 0.5418

Inverse Universe

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



11.9471, 0.2036, 0.1109



10.7163, 0.1821, 0.0826



19.9334, 0.2837, 0.1511



14.1052, 0.3029, 0.3050



4.0739, 0.1721, 0.0722



0.3491, 0.1879, 0.0809

Previews

White Background



This preview shows how the Yxy color 64.2423, 0.3687, 0.5184 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 64.2423, 0.3687, 0.5184 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 64.2423, 0.3687, 0.5184

Background



This preview shows how black text looks on a background with the Yxy color 64.2423, 0.3687, 0.5184.



This preview shows how white text looks on a background with the Yxy color 64.2423, 0.3687, 0.5184.

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

64.2423, 0.3687, 0.5184

Protanopia

63.5201, 0.4312, 0.4747

Deuteranopia

63.5680, 0.4295, 0.4240



Tritanopia

64.0816, 0.2881, 0.3094

Trichromacy



Original Color

64.2423, 0.3687, 0.5184

Protanomaly

63.5337, 0.4074, 0.4913

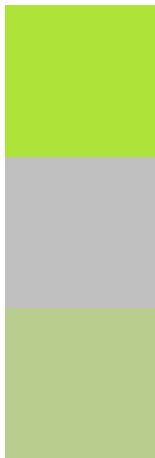
Deuteranomaly

62.9501, 0.4088, 0.4585

Tritanomaly

62.8548, 0.3235, 0.3908

Monochromacy



Original Color

64.2423, 0.3687, 0.5184

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

55.9601, 0.3414, 0.4082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2423, 0.3687, 0.5184 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, 227, 58)` looks like.

```
.text, #text, p{  
    color:rgb(174, 227, 58)  
}
```

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, 227, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 227, 58) }
```

Border

The CSS property to change the border of an element to Yxy 64.2423, 0.3687, 0.5184 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, 227, 58) }
```

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

```
.border{ border-color:rgb(174, 227, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 227, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 227, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 227, 58);  
box-shadow:4px 4px 4px 4px rgb(174, 227,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2423, 0.3687, 0.5184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 227, 58) }
```

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

```
.background{ background-color: rgb(174,  
227, 58) }
```

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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