

Converting Colors

$Yxy(63.4225, 0.3738, 0.5310)$

Have a look what the booklet for
Yxy(63.4225, 0.3738, 0.5310)
contains.

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Color

Yxy(63.2789, 0.3734, 0.5310)

Conversions

Conversions Part 1

Format	Color
Hex	ACE222
RGB	172, 226, 34
RGB Percent	67%, 89%, 13%
CMY	0.3255, 0.1137, 0.8661
CMYK	0.24, 0.00, 0.85, 0.11
HSL	77°, 77%, 51%
HSV	77°, 85%, 89%
XYZ	44.4978, 63.2789, 11.3926
YIQ	187.9660, 29.4480, -71.1600

Conversions

Conversions Part 2

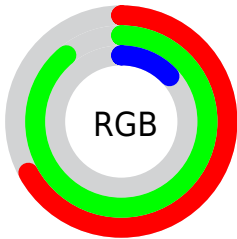
Format	Color
R _Y B	34, 226, 88
Decimal	11330082
CIE Lab	83.59, -41.02, 77.46
CIE LCh	84, 87.652, 117.903
Yxy	63.2789, 0.3734, 0.5310
Android (android.graphics.Color)	4289520162 (0xFFACE222)
YUV	187.9660, -75.9052, -14.0022
Hunter-Lab	79.5480, -39.3592, 47.1923

Details

The Yxy color **63.2789, 0.3734, 0.5310** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **8.7270, 0.1839, 0.0875**, and the grayscale version is **50.7056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4290, 0.3818, 0.4808**, and **32.3269, 0.3627, 0.5502** is the 20% darker color. If you saturate the color by 10%, you get **62.4880, 0.3714, 0.5409**, and if you desaturate by 10%, it is **64.1956, 0.3729, 0.5162**.

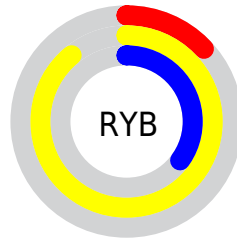
Distribution



Red (67%)

Green (89%)

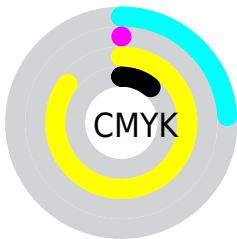
Blue (13%)



Red (13%)

Yellow (89%)

Blue (35%)

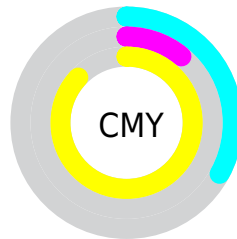


Cyan (24%)

Magenta (0%)

Yellow (85%)

Black (11%)



Cyan (33%)


Magenta (11%)


Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.2789, 0.3734, 0.5310 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 63.2789, 0.3734, 0.5310 by changing the saturation by 10% instead.


 63.2789, 0.3734,
0.5310


 63.2789, 0.3734,
0.5310

436.5810, 0.3544,
0.4351


 46.0669, 0.3742,
0.5514


 109.5718, 0.3694,
0.4985

 32.2986, 0.3731,
0.5752


 139.4214, 0.3671,
0.4855


 21.5897, 0.3684,
0.6025


 174.2524, 0.3647,
0.4743

 13.5557, 0.3606,
0.6394

 214.4491, 0.3624,
0.4644

 7.8123, 0.3340,
0.6660

 260.3959, 0.3602,
0.4557

 3.9751, 0.2941,
0.7059

 312.4772, 0.3581,

 1.6596, 0.2052,

0.4481

0.7948

371.0774, 0.3562,
0.4413

■ 0.3973, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 63.2789, 0.3734,
0.5310

■ 63.2789, 0.3734,
0.5310

■ 62.4880, 0.3714,
0.5409

■ 64.1956, 0.3729,
0.5162

■ 62.1166, 0.3698,
0.5446

■ 65.2446, 0.3698,
0.4969

■ 66.4410, 0.3644,
0.4738

■ 67.7954, 0.3570,
0.4481

69.3173, 0.3481,
0.4210

71.0155, 0.3383,
0.3935

72.8977, 0.3281,
0.3666

74.9715, 0.3177,
0.3410

77.2437, 0.3076,
0.3169

Harmonies

Analogous

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



63.2789, 0.4628, 0.4762



63.2789, 0.3734, 0.5310



63.2789, 0.2744, 0.5105

Triad

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



63.2789, 0.3734, 0.5310



63.2789, 0.1382, 0.2052



63.2789, 0.4355, 0.2625

Complementary

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



63.2789, 0.3734, 0.5310



8.7270, 0.1839, 0.0875

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.



63.2789, 0.3215, 0.2096



63.2789, 0.3734, 0.5310



63.2789, 0.1636, 0.1761

Square

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



63.2789, 0.3734, 0.5310



63.2789, 0.1456, 0.2783



63.2789, 0.2241, 0.1793



63.2789, 0.5137, 0.3286

Rectangle

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



63.2789, 0.3734, 0.5310



63.2789, 0.2153, 0.4419



63.2789, 0.2241, 0.1793



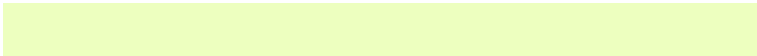
63.2789, 0.3985, 0.2428

Sweetspot

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



63.2817, 0.3734, 0.5310



93.3058, 0.3386, 0.3943



22.8323, 0.5647, 0.3691



19.7969, 0.3421, 0.4039



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.



63.2817, 0.3734, 0.5310



81.6119, 0.3694, 0.5449



56.1713, 0.3145, 0.5754



15.8255, 0.3224, 0.3525



35.4978, 0.3705, 0.5440



2.5049, 0.3783, 0.5378

Inverse Universe

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



8.7270, 0.1839, 0.0875



8.5900, 0.1664, 0.0690



16.4967, 0.2710, 0.1338



13.4292, 0.3024, 0.3051



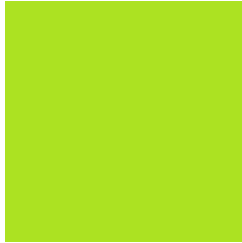
3.7991, 0.1683, 0.0701



0.3077, 0.1846, 0.0790

Previews

White Background



This preview shows how the Yxy color 63.2789, 0.3734, 0.5310 looks on a white background.

Color Contrast Check

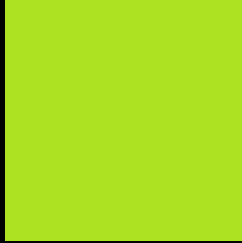
Large Text (above 18pt) WCAG AA × Fail

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 63.2789, 0.3734, 0.5310 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 63.2789, 0.3734, 0.5310

Background



This preview shows how black text looks on a background with the Yxy color 63.2789, 0.3734, 0.5310.



This preview shows how white text looks on a background with the Yxy color 63.2789, 0.3734, 0.5310.

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

63.2789, 0.3734, 0.5310

Protanopia

62.6929, 0.4373, 0.4835

Deuteranopia

62.4209, 0.4382, 0.4316



Tritanopia

62.8457, 0.2886, 0.3093

Trichromacy



Original Color

63.2789, 0.3734, 0.5310

Protanomaly

62.5487, 0.4125, 0.5019

Deuteranomaly

61.5742, 0.4170, 0.4690

Tritanomaly

61.8603, 0.3296, 0.4025

Monochromacy



Original Color

63.2789, 0.3734, 0.5310

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

53.8521, 0.3474, 0.4197

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.2789, 0.3734, 0.5310 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(172, 226, 34)` looks like.

```
.text, #text, p{  
    color:rgb(172, 226, 34)  
}
```

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(172, 226, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 226, 34) }
```

Border

The CSS property to change the border of an element to Yxy 63.2789, 0.3734, 0.5310 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(172, 226, 34) }
```

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

```
.border{ border-color:rgb(172, 226, 34) }
```

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

Here you see how a box with a 4 pixel rgb(172, 226, 34) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 226, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 226, 34);  
box-shadow:4px 4px 4px 4px rgb(172, 226,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 63.2789, 0.3734, 0.5310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 226, 34) }
```

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

```
.background{ background-color: rgb(172,  
226, 34) }
```

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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