

Converting Colors

$Yxy(65.5923, 0.3627, 0.5383)$

Have a look what the booklet for
Yxy(65.5923, 0.3627, 0.5383)
contains.

Yxy(65.5282, 0.3623, 0.5385)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(65.5282, 0.3623, 0.5385)

Conversions

Conversions Part 1

Format	Color
Hex	A2E825
RGB	162, 232, 37
RGB Percent	64%, 91%, 15%
CMY	0.3648, 0.0902, 0.8550
CMYK	0.30, 0.00, 0.84, 0.09
HSL	82°, 81%, 53%
HSV	82°, 84%, 91%
XYZ	44.0870, 65.5282, 12.0713
YIQ	188.8400, 20.8750, -75.4850

Conversions

Conversions Part 2

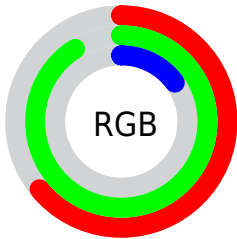
Format	Color
RYB	37, 232, 107
Decimal	10676261
CIELab	84.76, -47.25, 77.64
CIELCh	85, 90.882, 121.322
Yxy	65.5282, 0.3623, 0.5385
Android (android.graphics.Color)	4288866341 (0xFFA2E825)
YUV	188.8400, -74.8571, -23.5387
Hunter-Lab	80.9495, -44.4462, 47.8232

Details

The Yxy color **65.5282, 0.3623, 0.5385** 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 **10.2737, 0.1957, 0.0944**, and the grayscale version is **51.2169, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0289, 0.3743, 0.4821**, and **33.9342, 0.3491, 0.5610** is the 20% darker color. If you saturate the color by 10%, you get **64.5852, 0.3593, 0.5500**, and if you desaturate by 10%, it is **66.6272, 0.3628, 0.5219**.

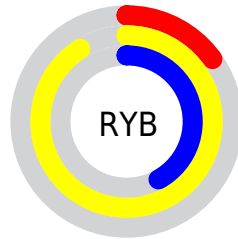
Distribution



Red (64%)

Green (91%)

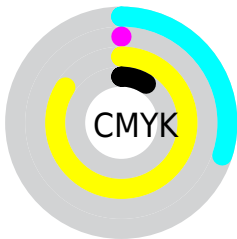
Blue (15%)



Red (15%)

Yellow (91%)

Blue (42%)

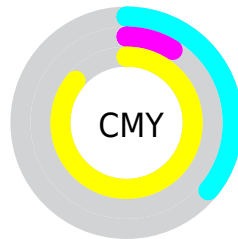


Cyan (30%)

Magenta (0%)

Yellow (84%)

Black (9%)



Cyan (36%)


Magenta (9%)

Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.5282, 0.3623, 0.5385 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 65.5282, 0.3623, 0.5385 by changing the saturation by 10% instead.

 65.5282, 0.3623,
0.5385

 65.5282, 0.3623,
0.5385


444.6877, 0.3489,
0.4383

 47.8895, 0.3619,
0.5601

 112.8089, 0.3603,
0.5043

 33.7394, 0.3593,
0.5855


 143.2197, 0.3587,
0.4907


 22.6935, 0.3528,
0.6150


 178.6567, 0.3570,
0.4790

 14.3673, 0.3435,
0.6565

 219.5042, 0.3552,
0.4687

 8.3766, 0.3142,
0.6858

 266.1466, 0.3535,
0.4597

 4.3369, 0.2708,
0.7292

 318.9684, 0.3519,

 1.8637, 0.1764,

0.4518

0.8236

378.3540, 0.3503,
0.4447

■ 0.5264, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.5282, 0.3623,
0.5385

■ 65.5282, 0.3623,
0.5385

■ 64.5852, 0.3593,
0.5500


■ 66.6272, 0.3628,
0.5219


■ 64.0804, 0.3568,
0.5549


■ 67.8897, 0.3609,
0.5006


■ 69.3321, 0.3566,
0.4757


■ 70.9664, 0.3505,
0.4485

 72.8029, 0.3429,
0.4202

 74.8514, 0.3344,
0.3920

 77.1209, 0.3254,
0.3647

 79.6195, 0.3164,
0.3390

 82.3552, 0.3075,
0.3151

Harmonies

Analogous

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



65.5282, 0.4559, 0.4866



65.5282, 0.3623, 0.5385



65.5282, 0.2619, 0.5064

Triad

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



65.5282, 0.3623, 0.5385



65.5282, 0.1364, 0.1971



65.5282, 0.4505, 0.2681

Complementary

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



65.5282, 0.3623, 0.5385



10.2737, 0.1957, 0.0944

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.



65.5282, 0.3347, 0.2124



65.5282, 0.3623, 0.5385



65.5282, 0.1659, 0.1721

Square

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



65.5282, 0.3623, 0.5385



65.5282, 0.1397, 0.2655



65.5282, 0.2316, 0.1788



65.5282, 0.5229, 0.3359

Rectangle

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



65.5282, 0.3623, 0.5385



65.5282, 0.2040, 0.4301



65.5282, 0.2316, 0.1788



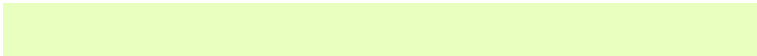
65.5282, 0.4137, 0.2476

Sweetspot

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



65.5311, 0.3623, 0.5385



92.4668, 0.3353, 0.3950



27.4414, 0.5439, 0.3858



19.5954, 0.3384, 0.4049



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.



65.5311, 0.3623, 0.5385



79.3530, 0.3565, 0.5552



59.0181, 0.3085, 0.5789



16.5449, 0.3212, 0.3526



35.6449, 0.3578, 0.5541



2.6859, 0.3668, 0.5470

Inverse Universe

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



10.2737, 0.1957, 0.0944



9.4728, 0.1763, 0.0745



19.8098, 0.2890, 0.1439



14.1377, 0.3036, 0.3051



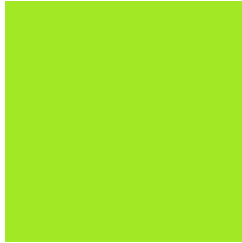
4.3276, 0.1784, 0.0756



0.3706, 0.1946, 0.0846

Previews

White Background



This preview shows how the Yxy color 65.5282, 0.3623, 0.5385 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 65.5282, 0.3623, 0.5385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

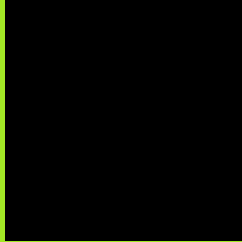
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.5282, 0.3623, 0.5385

Background



This preview shows how black text looks on a background with the Yxy color 65.5282, 0.3623, 0.5385.



This preview shows how white text looks on a background with the Yxy color 65.5282, 0.3623, 0.5385.

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

65.5282, 0.3623, 0.5385

Protanopia

64.6920, 0.4368, 0.4833

Deuteranopia

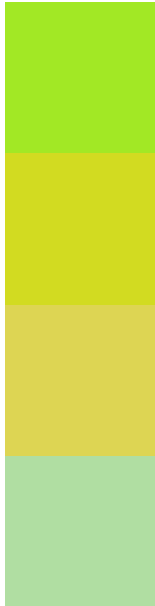
64.6268, 0.4243, 0.4208



Tritanopia

65.1853, 0.2801, 0.3093

Trichromacy



Original Color

65.5282, 0.3623, 0.5385

Protanomaly

64.4745, 0.4084, 0.5045

Deuteranomaly

63.5852, 0.4048, 0.4665

Tritanomaly

64.0813, 0.3189, 0.4043

Monochromacy



Original Color

65.5282, 0.3623, 0.5385

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

54.9676, 0.3427, 0.4212

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.5282, 0.3623, 0.5385 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(162, 232, 37)` looks like.

```
.text, #text, p{  
    color:rgb(162, 232, 37)  
}
```

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(162, 232, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 232, 37) }
```

Border

The CSS property to change the border of an element to Yxy 65.5282, 0.3623, 0.5385 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(162, 232, 37) }
```

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

```
.border{ border-color:rgb(162, 232, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 232, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 232, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 232, 37);  
box-shadow:4px 4px 4px 4px rgb(162, 232,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 65.5282, 0.3623, 0.5385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 232, 37) }
```

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

```
.background{ background-color: rgb(162,  
232, 37) }
```

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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