

Converting Colors

Yxy(64.0658, 0.3338, 0.5190)

Have a look what the booklet for
Yxy(64.0658, 0.3338, 0.5190)
contains.

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Color

Yxy(63.8114, 0.3336, 0.5189)

Conversions

Conversions Part 1

Format	Color
Hex	8BE852
RGB	139, 232, 82
RGB Percent	55%, 91%, 32%
CMY	0.4550, 0.0902, 0.6784
CMYK	0.40, 0.00, 0.65, 0.09
HSL	97°, 77%, 62%
HSV	97°, 65%, 91%
XYZ	41.0242, 63.8114, 18.1387
YIQ	187.0930, -7.2780, -66.3660

Conversions

Conversions Part 2

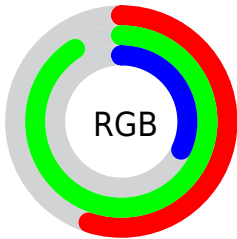
Format	Color
RYB	82, 232, 175
Decimal	9168978
CIELab	83.87, -52.60, 62.14
CIElCh	84, 81.410, 130.247
Yxy	63.8114, 0.3336, 0.5189
Android (android.graphics.Color)	4287359058 (0xFF8BE852)
YUV	187.0930, -51.8108, -42.1776
Hunter-Lab	79.8820, -48.1230, 42.4545

Details

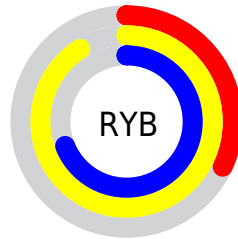
The Yxy color **63.8114, 0.3336, 0.5189** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **20.9822, 0.2617, 0.1557**, and the grayscale version is **50.0493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3319, 0.3423, 0.4596**, and **32.7998, 0.3286, 0.5690** is the 20% darker color. If you saturate the color by 10%, you get **62.3606, 0.3321, 0.5444**, and if you desaturate by 10%, it is **65.5501, 0.3333, 0.4896**.

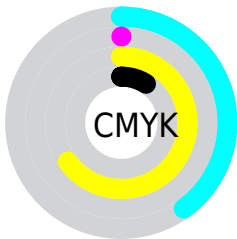
Distribution



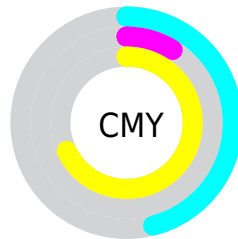
- Red (55%)
- Green (91%)
- Blue (32%)



- Red (32%)
- Yellow (91%)
- Blue (69%)



- Cyan (40%)
- Magenta (0%)
- Yellow (65%)
- Black (9%)





- Cyan (46%)
- Magenta (9%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.8114, 0.3336, 0.5189 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 63.8114, 0.3336, 0.5189 by changing the saturation by 10% instead.


 63.8114, 0.3336,
0.5189


 63.8114, 0.3336,
0.5189

438.5083, 0.3303,
0.4241

 46.4979, 0.3321,
0.5413

 110.3393, 0.3342,
0.4852

 32.6389, 0.3288,
0.5689


 140.3225, 0.3338,
0.4722

 21.8500, 0.3223,
0.6032


 175.2977, 0.3334,
0.4612

 13.7467, 0.3098,
0.6459

 215.6494, 0.3328,
0.4517

 7.9447, 0.2905,
0.7095

261.7619, 0.3322,
0.4435

 4.0596, 0.2410,
0.7590

314.0196, 0.3315,

 1.7070, 0.0931,

0.4362

0.9069

372.8069, 0.3309,
0.4298

0.4282, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

63.8114, 0.3336,
0.5189

63.8114, 0.3336,
0.5189

62.3606, 0.3321,
0.5444

65.5501, 0.3333,
0.4896

61.1705, 0.3288,
0.5645


67.5853, 0.3314,
0.4582

60.2217, 0.3238,
0.5782

69.9351, 0.3283,
0.4265

59.7979, 0.3209,
0.5834


72.6135, 0.3243,
0.3958

 75.6337, 0.3197,
0.3670

 79.0082, 0.3150,
0.3405

 82.7487, 0.3101,
0.3165

 86.0267, 0.3132,
0.3068

 86.1979, 0.3138,
0.3068

Harmonies

Analogous

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



63.8114, 0.4237, 0.4940



63.8114, 0.3336, 0.5189



63.8114, 0.2429, 0.4600

Triad

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



63.8114, 0.3336, 0.5189



63.8114, 0.1539, 0.1974



63.8114, 0.4634, 0.2922

Complementary

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



63.8114, 0.3336, 0.5189



20.9822, 0.2617, 0.1557

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.



63.8114, 0.3654, 0.2352



63.8114, 0.3336, 0.5189



63.8114, 0.1917, 0.1826

Square

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



63.8114, 0.3336, 0.5189



63.8114, 0.1482, 0.2489



63.8114, 0.2640, 0.1966



63.8114, 0.5107, 0.3585

Rectangle

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



63.8114, 0.3336, 0.5189



63.8114, 0.1947, 0.3843



63.8114, 0.2640, 0.1966



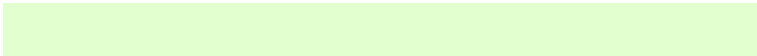
63.8114, 0.4342, 0.2717

Sweetspot

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



63.8141, 0.3336, 0.5189



92.0025, 0.3218, 0.3796



48.2360, 0.4431, 0.4271



19.4644, 0.3231, 0.3879



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.



63.8141, 0.3336, 0.5189



76.6827, 0.3311, 0.5527



60.4230, 0.2963, 0.5173



16.3545, 0.3173, 0.3529



33.2615, 0.3220, 0.5825



2.5098, 0.3335, 0.5734

Inverse Universe

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



20.9822, 0.2617, 0.1557



19.6972, 0.2474, 0.1277



28.0747, 0.3382, 0.1958



14.3276, 0.3077, 0.3054



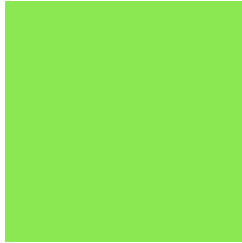
6.5953, 0.2279, 0.1029



0.5402, 0.2414, 0.1103

Previews

White Background



This preview shows how the Yxy color 63.8114, 0.3336, 0.5189 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 63.8114, 0.3336, 0.5189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

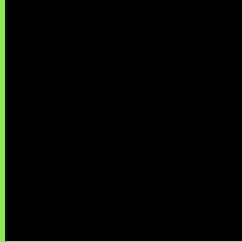
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 63.8114, 0.3336, 0.5189

Background



This preview shows how black text looks on a background with the Yxy color 63.8114, 0.3336, 0.5189.



This preview shows how white text looks on a background with the Yxy color 63.8114, 0.3336, 0.5189.

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

63.8114, 0.3336, 0.5189

Protanopia

62.7756, 0.4210, 0.4628

Deuteranopia

62.6274, 0.4315, 0.4230



Tritanopia

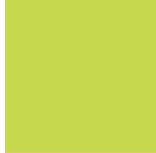
63.4104, 0.2662, 0.3074

Trichromacy



Original Color

63.8114, 0.3336, 0.5189



Protanomaly

62.1815, 0.3858, 0.4848



Deuteranomaly

61.0655, 0.3938, 0.4576



Tritanomaly

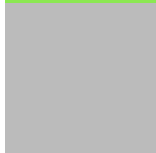
62.3673, 0.2935, 0.3847

Monochromacy



Original Color

63.8114, 0.3336, 0.5189



Achromatopsia

49.6933, 0.3127, 0.3290



Achromatomaly

53.4278, 0.3254, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.8114, 0.3336, 0.5189 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(139, 232, 82)` looks like.

```
.text, #text, p{  
    color:rgb(139, 232, 82)  
}
```

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(139, 232, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 232, 82) }
```

Border

The CSS property to change the border of an element to Yxy 63.8114, 0.3336, 0.5189 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(139, 232, 82) }
```

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

```
.border{ border-color:rgb(139, 232, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 232, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 232, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 232, 82);  
box-shadow:4px 4px 4px 4px rgb(139, 232,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 63.8114, 0.3336, 0.5189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 232, 82) }
```

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

```
.background{ background-color: rgb(139,  
232, 82) }
```

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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