

Converting Colors

$Yxy(65.2309, 0.3487, 0.5179)$

Have a look what the booklet for
Yxy(65.2309, 0.3487, 0.5179)
contains.

Yxy(65.3757, 0.3488, 0.5182)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.3757, 0.3488, 0.5182)

Conversions

Conversions Part 1

Format	Color
Hex	9DE84A
RGB	157, 232, 74
RGB Percent	62%, 91%, 29%
CMY	0.3841, 0.0902, 0.7098
CMYK	0.32, 0.00, 0.68, 0.09
HSL	88°, 77%, 60%
HSV	88°, 68%, 91%
XYZ	44.0043, 65.3757, 16.7792
YIQ	191.5630, 6.0180, -65.0380

Conversions

Conversions Part 2

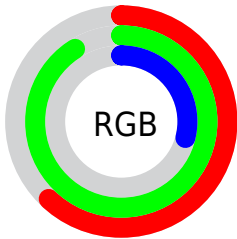
Format	Color
RYB	74, 232, 149
Decimal	10348618
CIELab	84.68, -47.15, 66.35
CIElCh	85, 81.401, 125.397
Yxy	65.3757, 0.3488, 0.5182
Android (android.graphics.Color)	4288538698 (0xFF9DE84A)
YUV	191.5630, -57.9586, -30.3118
Hunter-Lab	80.8552, -44.3506, 44.2947

Details

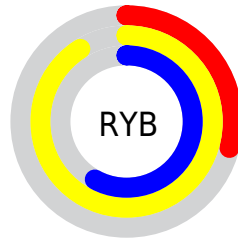
The Yxy color **65.3757, 0.3488, 0.5182** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **17.1109, 0.2360, 0.1373**, and the grayscale version is **52.7934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.7306, 0.3579, 0.4610**, and **33.7033, 0.3457, 0.5637** is the 20% darker color. If you saturate the color by 10%, you get **64.0633, 0.3481, 0.5398**, and if you desaturate by 10%, it is **66.9088, 0.3472, 0.4924**.

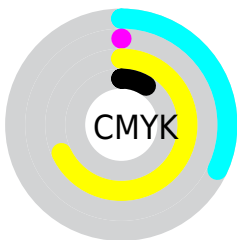
Distribution



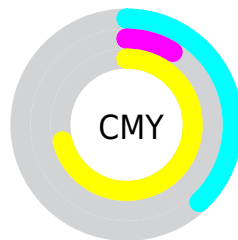
- Red (62%)
- Green (91%)
- Blue (29%)



- Red (29%)
- Yellow (91%)
- Blue (58%)



- Cyan (32%)
- Magenta (0%)
- Yellow (68%)
- Black (9%)





- Cyan (38%)
- Magenta (9%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3757, 0.3488, 0.5182 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 65.3757, 0.3488, 0.5182 by changing the saturation by 10% instead.

 65.3757, 0.3488,
0.5182


 65.3757, 0.3488,
0.5182


444.1408, 0.3388,
0.4256

 47.7658, 0.3486,
0.5394


 112.5898, 0.3472,
0.4857


 33.6414, 0.3469,
0.5651


 142.9628, 0.3460,
0.4731

 22.6183, 0.3423,
0.5964


 178.3590, 0.3447,
0.4623

 14.3119, 0.3323,
0.6347

 219.1627, 0.3434,
0.4530

 8.3379, 0.3143,
0.6857

 265.7583, 0.3422,
0.4448

 4.3119, 0.2708,
0.7292

318.5303, 0.3410,

 1.8495, 0.1754,

0.4376

0.8246

377.8630, 0.3399,
0.4313

0.5178, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

65.3757, 0.3488,
0.5182

65.3757, 0.3488,
0.5182

64.0633, 0.3481,
0.5398

66.9088, 0.3472,
0.4924

62.9469, 0.3451,
0.5562


68.6680, 0.3437,
0.4639


62.0081, 0.3402,
0.5671

70.6684, 0.3386,
0.4342

61.8440, 0.3392,
0.5689


72.9215, 0.3325,
0.4046

 75.4378, 0.3256,
0.3761

 78.2271, 0.3185,
0.3492

 81.2987, 0.3114,
0.3245

 84.3608, 0.3072,
0.3063

 86.1911, 0.3138,
0.3068

Harmonies

Analogous

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



65.3757, 0.4361, 0.4840



65.3757, 0.3488, 0.5182



65.3757, 0.2571, 0.4740

Triad

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



65.3757, 0.3488, 0.5182



65.3757, 0.1518, 0.2039



65.3757, 0.4488, 0.2825

Complementary

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



65.3757, 0.3488, 0.5182



17.1109, 0.2360, 0.1373

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.



65.3757, 0.3478, 0.2281



65.3757, 0.3488, 0.5182



65.3757, 0.1842, 0.1839

Square

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



65.3757, 0.3488, 0.5182



65.3757, 0.1514, 0.2620



65.3757, 0.2505, 0.1934



65.3757, 0.5062, 0.3476

Rectangle

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



65.3757, 0.3488, 0.5182



65.3757, 0.2059, 0.4030



65.3757, 0.2505, 0.1934



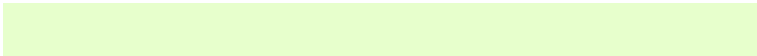
65.3757, 0.4176, 0.2627

Sweetspot

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



65.3786, 0.3488, 0.5182



92.8362, 0.3270, 0.3817



38.7474, 0.4724, 0.4062



19.6790, 0.3290, 0.3897



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.



65.3786, 0.3488, 0.5182



78.7646, 0.3471, 0.5476



59.8799, 0.3045, 0.5468



16.4600, 0.3195, 0.3527



34.4102, 0.3403, 0.5680



2.5980, 0.3511, 0.5594

Inverse Universe

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



17.1109, 0.2360, 0.1373



15.1949, 0.2166, 0.1071



27.0121, 0.3144, 0.1747



14.2208, 0.3054, 0.3052



5.1509, 0.1977, 0.0863



0.4356, 0.2138, 0.0951

Previews

White Background



This preview shows how the Yxy color 65.3757, 0.3488, 0.5182 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 65.3757, 0.3488, 0.5182 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

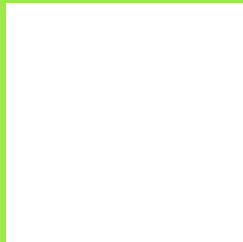
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3757, 0.3488, 0.5182

Background



This preview shows how black text looks on a background with the Yxy color 65.3757, 0.3488, 0.5182.



This preview shows how white text looks on a background with the Yxy color 65.3757, 0.3488, 0.5182.

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

65.3757, 0.3488, 0.5182

Protanopia

64.8388, 0.4250, 0.4677

Deuteranopia

64.7160, 0.4217, 0.4173



Tritanopia

65.1499, 0.2764, 0.3091

Trichromacy



Original Color

65.3757, 0.3488, 0.5182



Protanomaly

64.3706, 0.3952, 0.4876



Deuteranomaly

63.5494, 0.3948, 0.4540



Tritanomaly

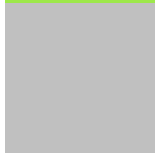
64.0351, 0.3066, 0.3868

Monochromacy



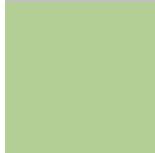
Original Color

65.3757, 0.3488, 0.5182



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

56.3793, 0.3319, 0.4039

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3757, 0.3488, 0.5182 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(157, 232, 74)` looks like.

```
.text, #text, p{  
    color:rgb(157, 232, 74)  
}
```

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(157, 232, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 232, 74) }
```

Border

The CSS property to change the border of an element to Yxy 65.3757, 0.3488, 0.5182 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(157, 232, 74) }
```

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

```
.border{ border-color:rgb(157, 232, 74) }
```

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

Here you see how a box with a 4 pixel rgb(157, 232, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 232, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 232, 74);  
box-shadow:4px 4px 4px 4px rgb(157, 232,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3757, 0.3488, 0.5182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 232, 74) }
```

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

```
.background{ background-color: rgb(157,  
232, 74) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor