

Converting Colors

$Yxy(66.8393, 0.3366, 0.4963)$

Have a look what the booklet for
Yxy(66.8393, 0.3366, 0.4963)
contains.

Yxy(66.7343, 0.3363, 0.4961)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(66.7343, 0.3363, 0.4961)

Conversions

Conversions Part 1

Format	Color
Hex	9BEA64
RGB	155, 234, 100
RGB Percent	61%, 92%, 39%
CMY	0.3922, 0.0823, 0.6080
CMYK	0.34, 0.00, 0.57, 0.08
HSL	95°, 76%, 65%
HSV	95°, 57%, 92%
XYZ	45.2383, 66.7343, 22.5452
YIQ	195.1030, -4.0700, -58.4220

Conversions

Conversions Part 2

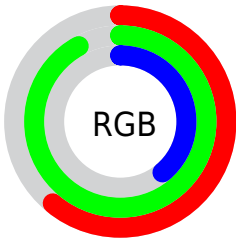
Format	Color
RYB	100, 234, 179
Decimal	10218084
CIELab	85.37, -46.55, 56.45
CIElCh	85, 73.173, 129.510
Yxy	66.7343, 0.3363, 0.4961
Android (android.graphics.Color)	4288408164 (0xFF9BEA64)
YUV	195.1030, -46.8858, -35.1703
Hunter-Lab	81.6911, -44.1108, 40.8208

Details

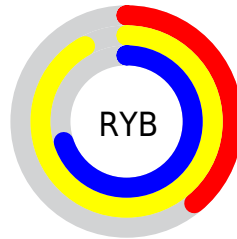
The Yxy color **66.7343, 0.3363, 0.4961** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **24.6320, 0.2653, 0.1720**, and the grayscale version is **54.9234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0327, 0.3430, 0.4369**, and **34.6269, 0.3344, 0.5402** is the 20% darker color. If you saturate the color by 10%, you get **65.0597, 0.3365, 0.5241**, and if you desaturate by 10%, it is **68.7007, 0.3344, 0.4656**.

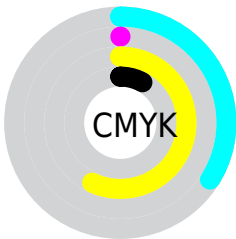
Distribution



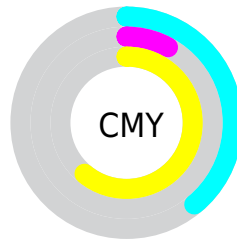
- Red (61%)
- Green (92%)
- Blue (39%)



- Red (39%)
- Yellow (92%)
- Blue (70%)



- Cyan (34%)
- Magenta (0%)
- Yellow (57%)
- Black (8%)




- Cyan (39%)
- Magenta (8%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7343, 0.3363, 0.4961 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 66.7343, 0.3363, 0.4961 by changing the saturation by 10% instead.


 66.7343, 0.3363,
0.4961

 66.7343, 0.3363,
0.4961


448.9984, 0.3301,
0.4135


 48.8687, 0.3360,
0.5156

 114.5396, 0.3354,
0.4667


 34.5154, 0.3347,
0.5398


 145.2481, 0.3347,
0.4555

 23.2898, 0.3313,
0.5703


 181.0064, 0.3339,
0.4459

 14.8076, 0.3238,
0.6089

 222.1989, 0.3331,
0.4376

 8.6845, 0.3112,
0.6646

269.2100, 0.3323,
0.4304

 4.5360, 0.2772,
0.7228

322.4240, 0.3315,

 1.9777, 0.1956,

0.4241

0.8044

382.2253, 0.3308,
0.4185

0.5944, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.7343, 0.3363,
0.4961

66.7343, 0.3363,
0.4961

65.0597, 0.3365,
0.5241

68.7007, 0.3344,
0.4656

63.6514, 0.3347,
0.5480


70.9654, 0.3311,
0.4342


62.4935, 0.3311,
0.5661

73.5451, 0.3268,
0.4035


61.5624, 0.3258,
0.5781

76.4527, 0.3218,
0.3743

 61.3398, 0.3243,
0.5807

 79.7003, 0.3166,
0.3472

 83.2994, 0.3113,
0.3225

 86.6826, 0.3114,
0.3086

 87.3298, 0.3137,
0.3088

Harmonies

Analogous

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



66.7343, 0.4172, 0.4775



66.7343, 0.3363, 0.4961



66.7343, 0.2536, 0.4451

Triad

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



66.7343, 0.3363, 0.4961



66.7343, 0.1676, 0.2114



66.7343, 0.4446, 0.2957

Complementary

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



66.7343, 0.3363, 0.4961



24.6320, 0.2653, 0.1720

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.



66.7343, 0.3578, 0.2431



66.7343, 0.3363, 0.4961



66.7343, 0.2022, 0.1960

Square

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



66.7343, 0.3363, 0.4961



66.7343, 0.1635, 0.2605



66.7343, 0.2678, 0.2079



66.7343, 0.4890, 0.3573

Rectangle

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



66.7343, 0.3363, 0.4961



66.7343, 0.2089, 0.3809



66.7343, 0.2678, 0.2079



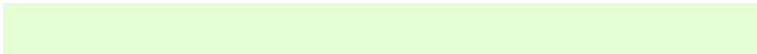
66.7343, 0.4186, 0.2768

Sweetspot

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



66.7372, 0.3363, 0.4961



92.9871, 0.3217, 0.3737



50.3174, 0.4295, 0.4141



19.7430, 0.3228, 0.3794



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.



66.7372, 0.3363, 0.4961



78.6910, 0.3363, 0.5294



62.7083, 0.2993, 0.4998



17.1640, 0.3178, 0.3529



34.5367, 0.3254, 0.5798



2.7670, 0.3362, 0.5712

Inverse Universe

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



24.6320, 0.2653, 0.1720



22.8587, 0.2519, 0.1428



31.9216, 0.3302, 0.2035



14.9877, 0.3072, 0.3053



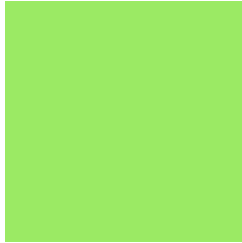
6.4473, 0.2210, 0.0991



0.5623, 0.2345, 0.1065

Previews

White Background



This preview shows how the Yxy color 66.7343, 0.3363, 0.4961 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 66.7343, 0.3363, 0.4961 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 66.7343, 0.3363, 0.4961

Background



This preview shows how black text looks on a background with the Yxy color 66.7343, 0.3363, 0.4961.



This preview shows how white text looks on a background with the Yxy color 66.7343, 0.3363, 0.4961.

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

66.7343, 0.3363, 0.4961

Protanopia

66.2117, 0.4119, 0.4519

Deuteranopia

66.0042, 0.4109, 0.4065



Tritanopia

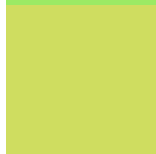
66.5309, 0.2732, 0.3092

Trichromacy



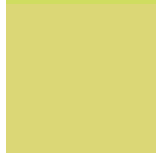
Original Color

66.7343, 0.3363, 0.4961



Protanomaly

65.8228, 0.3823, 0.4686



Deuteranomaly

64.9690, 0.3825, 0.4377



Tritanomaly

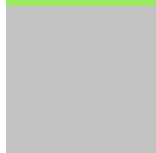
65.7631, 0.2978, 0.3763

Monochromacy



Original Color

66.7343, 0.3363, 0.4961



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.8423, 0.3248, 0.3916

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7343, 0.3363, 0.4961 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(155, 234, 100)` looks like.

```
.text, #text, p{  
    color:rgb(155, 234, 100)  
}
```

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(155, 234, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 234, 100) }
```

Border

The CSS property to change the border of an element to Yxy 66.7343, 0.3363, 0.4961 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(155, 234, 100) }
```

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

```
.border{ border-color:rgb(155, 234, 100) }
```

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

Here you see how a box with a 4 pixel rgb(155, 234, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 234, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 234, 100);  
box-shadow:4px 4px 4px 4px rgb(155, 234,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7343, 0.3363, 0.4961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 234, 100) }
```

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

```
.background{ background-color: rgb(155,  
234, 100) }
```

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