

Converting Colors

Yxy(60.2982, 0.3309, 0.4633)

Have a look what the booklet for
Yxy(60.2982, 0.3309, 0.4633)
contains.

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Color

Yxy(60.2129, 0.3312, 0.4628)

Conversions

Conversions Part 1

Format	Color
Hex	9DDD77
RGB	157, 221, 119
RGB Percent	62%, 87%, 47%
CMY	0.3843, 0.1333, 0.5333
CMYK	0.29, 0.00, 0.46, 0.13
HSL	98°, 60%, 67%
HSV	98°, 46%, 87%
XYZ	43.0910, 60.2129, 26.8018
YIQ	190.2360, -5.4020, -45.2900

Conversions

Conversions Part 2

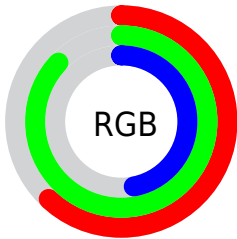
Format	Color
RYB	119, 221, 183
Decimal	10345847
CIELab	81.95, -38.11, 43.54
CIElCh	82, 57.864, 131.191
Yxy	60.2129, 0.3312, 0.4628
Android (android.graphics.Color)	4288535927 (0xFF9DDD77)
YUV	190.2360, -35.1193, -29.1480
Hunter-Lab	77.5970, -36.6704, 33.8393

Details

The Yxy color **60.2129, 0.3312, 0.4628** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **28.4803, 0.2808, 0.2042**, and the grayscale version is **51.8457, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8333, 0.3338, 0.4174**, and **30.1524, 0.3309, 0.4995** is the 20% darker color. If you saturate the color by 10%, you get **58.4283, 0.3328, 0.4940**, and if you desaturate by 10%, it is **62.2845, 0.3283, 0.4311**.

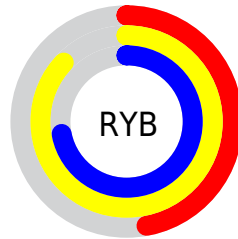
Distribution



Red (62%)

Green (87%)

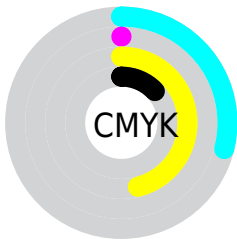
Blue (47%)



Red (47%)

Yellow (87%)

Blue (72%)

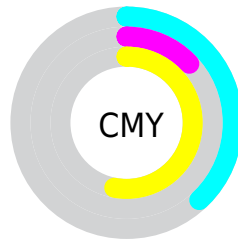


Cyan (29%)

Magenta (0%)

Yellow (46%)

Black (13%)



Cyan (38%)


Magenta (13%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.2129, 0.3312, 0.4628 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 60.2129, 0.3312, 0.4628 by changing the saturation by 10% instead.


 60.2129, 0.3312,
0.4628


 60.2129, 0.3312,
0.4628


425.3821, 0.3253,
0.3954

 43.5903, 0.3316,
0.4794


 105.1384, 0.3299,
0.4384

 30.3485, 0.3314,
0.5003


 134.2101, 0.3291,
0.4292

 20.1033, 0.3300,
0.5275

 168.2003, 0.3284,
0.4214

 12.4701, 0.3261,
0.5637

207.4933, 0.3277,
0.4148

 7.0647, 0.3164,
0.6135

252.4736, 0.3270,
0.4090

 3.5026, 0.3002,
0.6998

303.5256, 0.3264,

 1.3994, 0.1897,

0.4039

0.8103

361.0336, 0.3258,
0.3994

0.2163, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

60.2129, 0.3312,
0.4628

60.2129, 0.3312,
0.4628

58.4283, 0.3328,
0.4940

62.2845, 0.3283,
0.4311

56.9089, 0.3328,
0.5230


64.6481, 0.3246,
0.4002


55.6419, 0.3310,
0.5479


67.3183, 0.3202,
0.3711

54.6100, 0.3274,
0.5672


70.3064, 0.3156,
0.3443


 53.7927, 0.3224,
0.5800

 73.6230, 0.3109,
0.3200

 53.5245, 0.3203,
0.5838

 77.2783, 0.3063,
0.2982

 80.0184, 0.3136,
0.2959

 80.1952, 0.3143,
0.2960

Harmonies

Analogous

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



60.2129, 0.3993, 0.4555



60.2129, 0.3312, 0.4628



60.2129, 0.2618, 0.4179

Triad

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



60.2129, 0.3312, 0.4628



60.2129, 0.1904, 0.2294



60.2129, 0.4239, 0.3055

Complementary

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



60.2129, 0.3312, 0.4628



28.4803, 0.2808, 0.2042

Split Complementary

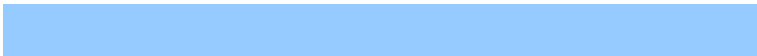
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.2129, 0.3549, 0.2590



60.2129, 0.3312, 0.4628



60.2129, 0.2223, 0.2162

Square

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



60.2129, 0.3312, 0.4628



60.2129, 0.1858, 0.2710



60.2129, 0.2800, 0.2273



60.2129, 0.4587, 0.3595

Rectangle

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



60.2129, 0.3312, 0.4628



60.2129, 0.2243, 0.3672



60.2129, 0.2800, 0.2273



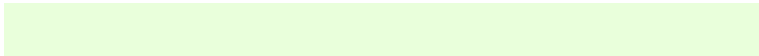
60.2129, 0.4035, 0.2888

Sweetspot

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



60.2155, 0.3312, 0.4628



93.9069, 0.3193, 0.3654



50.1201, 0.4005, 0.4027



19.9160, 0.3203, 0.3715



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.



60.2155, 0.3312, 0.4628



80.9682, 0.3327, 0.4918



57.2728, 0.2996, 0.4569



14.8413, 0.3171, 0.3528



31.1512, 0.3214, 0.5830



2.0663, 0.3343, 0.5728

Inverse Universe

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



28.4803, 0.2808, 0.2042



32.0851, 0.2721, 0.1792



33.1741, 0.3297, 0.2282



13.0198, 0.3079, 0.3055



6.2707, 0.2297, 0.1039



0.4547, 0.2446, 0.1121

Previews

White Background



This preview shows how the Yxy color 60.2129, 0.3312, 0.4628 looks on a white background.

Color Contrast Check

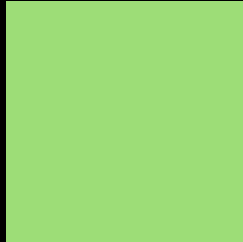
Large Text (above 18pt) WCAG AA × Fail

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 60.2129, 0.3312, 0.4628 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 60.2129, 0.3312, 0.4628

Background



This preview shows how black text looks on a background with the Yxy color 60.2129, 0.3312, 0.4628.



This preview shows how white text looks on a background with the Yxy color 60.2129, 0.3312, 0.4628.

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

60.2129, 0.3312, 0.4628

Protanopia

59.5921, 0.3952, 0.4300

Deuteranopia

59.5024, 0.4096, 0.4014



Tritanopia

60.0906, 0.2772, 0.3085

Trichromacy



Original Color

60.2129, 0.3312, 0.4628



Protanomaly

59.4731, 0.3702, 0.4430



Deuteranomaly

58.7619, 0.3794, 0.4237



Tritanomaly

59.5012, 0.2976, 0.3621

Monochromacy



Original Color

60.2129, 0.3312, 0.4628



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

53.9186, 0.3214, 0.3771

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.2129, 0.3312, 0.4628 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, 221, 119)` looks like.

```
.text, #text, p{  
    color:rgb(157, 221, 119)  
}
```

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, 221, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 221, 119) }
```

Border

The CSS property to change the border of an element to Yxy 60.2129, 0.3312, 0.4628 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, 221, 119) }
```

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

```
.border{ border-color:rgb(157, 221, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 221, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 221, 119); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 221, 119); box-shadow:4px 4px 4px 4px rgb(157, 221, 119) }
```


Background

The CSS property to change the background color of an element to Yxy 60.2129, 0.3312, 0.4628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 221, 119) }
```

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

```
.background{ background-color: rgb(157,  
221, 119) }
```

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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