

Converting Colors

$Yxy(62.8933, 0.3261, 0.4700)$

Have a look what the booklet for
Yxy(62.8933, 0.3261, 0.4700)
contains.

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Color

Yxy(62.8494, 0.3258, 0.4701)

Conversions

Conversions Part 1

Format	Color
Hex	97E377
RGB	151, 227, 119
RGB Percent	59%, 89%, 47%
CMY	0.4079, 0.1098, 0.5333
CMYK	0.33, 0.00, 0.48, 0.11
HSL	102°, 66%, 68%
HSV	102°, 48%, 89%
XYZ	43.5574, 62.8494, 27.2869
YIQ	191.9640, -10.6280, -49.7000

Conversions

Conversions Part 2

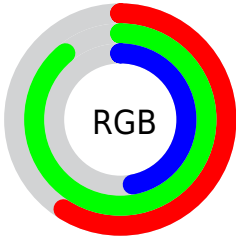
Format	Color
RYB	119, 227, 195
Decimal	9954167
CIELab	83.36, -42.80, 45.22
CIELCh	83, 62.265, 133.425
Yxy	62.8494, 0.3258, 0.4701
Android (android.graphics.Color)	4288144247 (0xFF97E377)
YUV	191.9640, -35.9713, -35.9254
Hunter-Lab	79.2776, -40.6628, 35.0871

Details

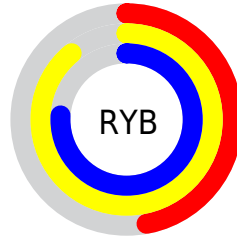
The Yxy color **62.8494, 0.3258, 0.4701** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.3468, 0.2873, 0.2029**, and the grayscale version is **52.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.9470, 0.3299, 0.4186**, and **32.0179, 0.3247, 0.5096** is the 20% darker color. If you saturate the color by 10%, you get **60.9438, 0.3262, 0.5022**, and if you desaturate by 10%, it is **65.0979, 0.3242, 0.4373**.

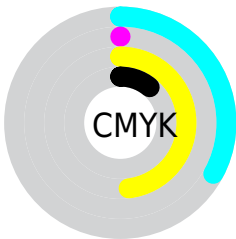
Distribution



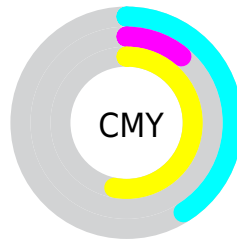
- Red (59%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (76%)



- Cyan (33%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)





- Cyan (41%)
- Magenta (11%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 62.8494, 0.3258, 0.4701 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 62.8494, 0.3258, 0.4701 by changing the saturation by 10% instead.


 62.8494, 0.3258,
0.4701


 62.8494, 0.3258,
0.4701

435.0227, 0.3228,
0.3992


 45.7194, 0.3254,
0.4875


 108.9522, 0.3256,
0.4445

 32.0244, 0.3242,
0.5094


 138.6938, 0.3252,
0.4348

 21.3802, 0.3215,
0.5377

 173.4080, 0.3249,
0.4266

 13.4022, 0.3158,
0.5753

213.4793, 0.3244,
0.4196

 7.7061, 0.3036,
0.6265

259.2920, 0.3240,
0.4135

 3.9074, 0.2844,
0.7156

311.2306, 0.3236,

 1.6219, 0.1822,

0.4081

0.8178

369.6793, 0.3232,
0.4034

■ 0.3723, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 62.8494, 0.3258,
0.4701

■ 62.8494, 0.3258,
0.4701

■ 60.9438, 0.3262,
0.5022

■ 65.0979, 0.3242,
0.4373

■ 59.3552, 0.3253,
0.5318

■ 67.6976, 0.3218,
0.4055


■ 58.0670, 0.3228,
0.5568

■ 70.6663, 0.3187,
0.3755


■ 57.0569, 0.3190,
0.5756


■ 74.0182, 0.3154,
0.3480

 56.2977, 0.3141,
0.5874

 77.7669, 0.3119,
0.3233

 56.1439, 0.3130,
0.5897

 81.9119, 0.3085,
0.3014

 83.4235, 0.3140,
0.3019

Harmonies

Analogous

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



62.8494, 0.3985, 0.4648



62.8494, 0.3258, 0.4701



62.8494, 0.2535, 0.4184

Triad

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



62.8494, 0.3258, 0.4701



62.8494, 0.1858, 0.2219



62.8494, 0.4350, 0.3078

Complementary

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



62.8494, 0.3258, 0.4701



30.3468, 0.2873, 0.2029

Split Complementary

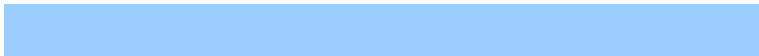
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



62.8494, 0.3633, 0.2584



62.8494, 0.3258, 0.4701



62.8494, 0.2211, 0.2105

Square

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



62.8494, 0.3258, 0.4701



62.8494, 0.1787, 0.2628



62.8494, 0.2834, 0.2240



62.8494, 0.4681, 0.3644

Rectangle

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



62.8494, 0.3258, 0.4701



62.8494, 0.2155, 0.3630



62.8494, 0.2834, 0.2240



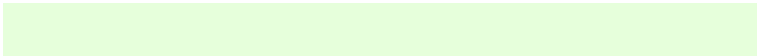
62.8494, 0.4141, 0.2901

Sweetspot

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



62.8521, 0.3258, 0.4701



93.4515, 0.3176, 0.3656



56.5184, 0.3990, 0.4142



19.8058, 0.3183, 0.3717



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.



62.8521, 0.3258, 0.4701



79.3792, 0.3262, 0.5016



60.7766, 0.2946, 0.4492



16.2948, 0.3160, 0.3530



32.7927, 0.3139, 0.5889



2.4700, 0.3248, 0.5803

Inverse Universe

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



30.3468, 0.2873, 0.2029



32.2894, 0.2800, 0.1782



33.9533, 0.3397, 0.2337



14.3898, 0.3091, 0.3055



7.6442, 0.2474, 0.1136



0.6123, 0.2584, 0.1197

Previews

White Background



This preview shows how the Yxy color 62.8494, 0.3258, 0.4701 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 62.8494, 0.3258, 0.4701 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 62.8494, 0.3258, 0.4701

Background



This preview shows how black text looks on a background with the Yxy color 62.8494, 0.3258, 0.4701.



This preview shows how white text looks on a background with the Yxy color 62.8494, 0.3258, 0.4701.

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

62.8494, 0.3258, 0.4701

Protanopia

62.2895, 0.3978, 0.4330

Deuteranopia

61.7629, 0.4121, 0.4030



Tritanopia

62.4654, 0.2717, 0.3075

Trichromacy



Original Color

62.8494, 0.3258, 0.4701



Protanomaly

61.6103, 0.3693, 0.4465



Deuteranomaly

60.8380, 0.3784, 0.4274



Tritanomaly

62.2112, 0.2919, 0.3644

Monochromacy



Original Color

62.8494, 0.3258, 0.4701



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

55.7264, 0.3194, 0.3807

CSS Examples

Text

The CSS property to change the color of the text to Yxy 62.8494, 0.3258, 0.4701 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(151, 227, 119)` looks like.

```
.text, #text, p{  
    color:rgb(151, 227, 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(151, 227, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 227, 119) }
```

Border

The CSS property to change the border of an element to Yxy 62.8494, 0.3258, 0.4701 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(151, 227, 119) }
```

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

```
.border{ border-color:rgb(151, 227, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 227, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 227, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 227, 119);  
box-shadow:4px 4px 4px 4px rgb(151, 227,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 62.8494, 0.3258, 0.4701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 227, 119) }
```

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

```
.background{ background-color: rgb(151,  
227, 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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