

# Converting Colors

Yxy(60.5542, 0.3251, 0.4484)

Have a look what the booklet for  
Yxy(60.5542, 0.3251, 0.4484)  
contains.

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# Color

**Yxy(60.4927, 0.3249, 0.4489)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DDD82
RGB	157, 221, 130
RGB Percent	62%, 87%, 51%
CMY	0.3845, 0.1333, 0.4902
CMYK	0.29, 0.00, 0.41, 0.13
HSL	102°, 57%, 69%
HSV	102°, 41%, 87%
XYZ	43.7828, 60.4927, 30.4822
YIQ	191.4900, -8.9330, -41.8690

# Conversions

## Conversions Part 2

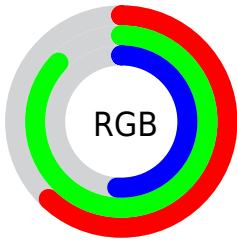
Format	Color
<a href="#">RYB</a>	<a href="#">130, 221, 194</a>
Decimal	<a href="#">10345858</a>
CIELab	<a href="#">82.11, -36.72, 38.31</a>
CIElCh	<a href="#">82, 53.064, 133.781</a>
Yxy	<a href="#">60.4927, 0.3249, 0.4489</a>
Android (android.graphics.Color)	<a href="#">4288535938 (0xFF9DDD82)</a>
YUV	<a href="#">191.4900, -30.3146, -30.2477</a>
Hunter-Lab	<a href="#">77.7771, -35.6275, 31.2072</a>

# Details

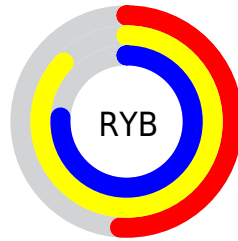
The Yxy color **60.4927, 0.3249, 0.4489** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.6585, 0.2918, 0.2201**, and the grayscale version is **52.5785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.1268, 0.3270, 0.4056**, and **30.7205, 0.3245, 0.4830** is the 20% darker color. If you saturate the color by 10%, you get **58.4986, 0.3261, 0.4816**, and if you desaturate by 10%, it is **62.8186, 0.3227, 0.4166**.

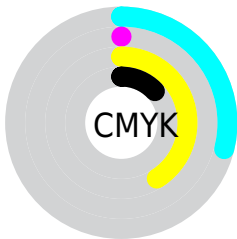
# Distribution



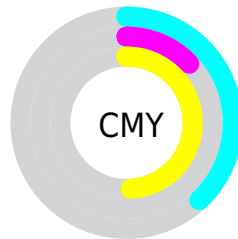
- Red (62%)
- Green (87%)
- Blue (51%)



- Red (51%)
- Yellow (87%)
- Blue (76%)



- Cyan (29%)
- Magenta (0%)
- Yellow (41%)
- Black (13%)




- Cyan (38%)
- Magenta (13%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4927, 0.3249, 0.4489 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 60.4927, 0.3249, 0.4489 by changing the saturation by 10% instead.




 60.4927, 0.3249,  
0.4489

 60.4927, 0.3249,  
0.4489


426.4115, 0.3213,  
0.3885

 43.8159, 0.3250,  
0.4638


 105.5441, 0.3242,  
0.4270

 30.5258, 0.3246,  
0.4829


 134.6874, 0.3238,  
0.4188

 20.2380, 0.3232,  
0.5077

 168.7550, 0.3233,  
0.4118

 12.5682, 0.3198,  
0.5414

208.1314, 0.3229,  
0.4058

 7.1319, 0.3117,  
0.5885

253.2008, 0.3225,  
0.4006

 3.5447, 0.3079,  
0.6921

304.3477, 0.3221,

 1.4223, 0.2097,

0.3961

0.7903

361.9564, 0.3217,  
0.3921

■ 0.2331, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4927, 0.3249,  
0.4489

■ 60.4927, 0.3249,  
0.4489

■ 58.4986, 0.3261,  
0.4816

■ 62.8186, 0.3227,  
0.4166

■ 56.8128, 0.3261,  
0.5130

■ 65.4831, 0.3199,  
0.3859

■ 55.4208, 0.3246,  
0.5412


■ 68.5024, 0.3166,  
0.3576


■ 54.3036, 0.3216,  
0.5641


■ 71.8893, 0.3131,  
0.3319

 53.4394, 0.3174,  
0.5804

 75.6562, 0.3096,  
0.3089

 52.8606, 0.3131,  
0.5896

 79.3156, 0.3110,  
0.2957

 80.2005, 0.3143,  
0.2960

# Harmonies

## Analogous

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



60.4927, 0.3885, 0.4477



60.4927, 0.3249, 0.4489



60.4927, 0.2614, 0.4043

# Triad

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



60.4927, 0.3249, 0.4489



60.4927, 0.2008, 0.2351



60.4927, 0.4188, 0.3121

# Complementary

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



60.4927, 0.3249, 0.4489



32.6585, 0.2918, 0.2201

# 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.



60.4927, 0.3577, 0.2675



60.4927, 0.3249, 0.4489



60.4927, 0.2330, 0.2244

# Square

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



60.4927, 0.3249, 0.4489



60.4927, 0.1944, 0.2719



60.4927, 0.2885, 0.2365



60.4927, 0.4474, 0.3629



# Rectangle

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



60.4927, 0.3249, 0.4489



60.4927, 0.2277, 0.3579



60.4927, 0.2885, 0.2365



60.4927, 0.4010, 0.2961

# Sweetspot

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



60.4953, 0.3249, 0.4489



94.3256, 0.3169, 0.3600



55.4386, 0.3859, 0.4031



20.0670, 0.3173, 0.3637



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

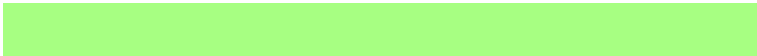


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



60.4953, 0.3249, 0.4489



81.3558, 0.3260, 0.4758



58.6095, 0.2966, 0.4300



14.7922, 0.3160, 0.3529



30.7542, 0.3141, 0.5888



2.0364, 0.3264, 0.5790



# Inverse Universe

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



32.6585, 0.2918, 0.2201



38.1014, 0.2860, 0.1983



35.6388, 0.3351, 0.2460



13.0711, 0.3091, 0.3056



7.1724, 0.2475, 0.1137



0.5084, 0.2598, 0.1205



# Previews

## White Background



This preview shows how the Yxy color 60.4927, 0.3249, 0.4489 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 60.4927, 0.3249, 0.4489 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

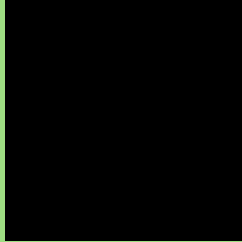
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.4927, 0.3249, 0.4489**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4927, 0.3249, 0.4489.



This preview shows how white text looks on a background with the Yxy color 60.4927, 0.3249, 0.4489.

# 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

60.4927, 0.3249, 0.4489

### Protanopia

59.6715, 0.3875, 0.4200

### Deuteranopia

60.0409, 0.4005, 0.3925



## Tritanopia

60.4684, 0.2766, 0.3097

# Trichromacy



## Original Color

60.4927, 0.3249, 0.4489



## Protanomaly

59.6053, 0.3622, 0.4310



## Deuteranomaly

58.9040, 0.3708, 0.4117



## Tritanomaly

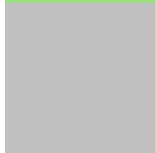
60.0702, 0.2944, 0.3581

# Monochromacy



## Original Color

60.4927, 0.3249, 0.4489



## Achromatopsia

52.0996, 0.3127, 0.3290



## Achromatomaly

54.6893, 0.3185, 0.3716

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4927, 0.3249, 0.4489 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, 130)` looks like.

```
.text, #text, p{  
    color:rgb(157, 221, 130)  
}
```

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, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 221, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4927, 0.3249, 0.4489 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, 130) }
```

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

```
.border{ border-color:rgb(157, 221, 130) }
```

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, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 221, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 221, 130);  
box-shadow:4px 4px 4px 4px rgb(157, 221,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4927, 0.3249, 0.4489 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, 130) }
```

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

```
.background{ background-color: rgb(157,  
221, 130) }
```

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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