

# Converting Colors

$Yxy(60.3203, 0.3297, 0.4476)$

Have a look what the booklet for  
Yxy(60.3203, 0.3297, 0.4476)  
contains.

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# Color

**Yxy(60.4528, 0.3293, 0.4478)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2DC81
RGB	162, 220, 129
RGB Percent	64%, 86%, 51%
CMY	0.3647, 0.1372, 0.4941
CMYK	0.26, 0.00, 0.41, 0.14
HSL	98°, 57%, 68%
HSV	98°, 41%, 86%
XYZ	44.4554, 60.4528, 30.0914
YIQ	192.2840, -5.3570, -40.5970

# Conversions

## Conversions Part 2

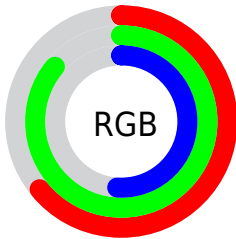
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 220, 187</a>
Decimal	<a href="#">10673281</a>
CIELab	<a href="#">82.08, -34.66, 38.84</a>
CIElCh	<a href="#">82, 52.050, 131.744</a>
Yxy	<a href="#">60.4528, 0.3293, 0.4478</a>
Android (android.graphics.Color)	<a href="#">4288863361 (0xFFA2DC81)</a>
YUV	<a href="#">192.2840, -31.1990, -26.5591</a>
Hunter-Lab	<a href="#">77.7514, -34.0053, 31.4795</a>

# Details

The Yxy color **60.4528, 0.3293, 0.4478** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **31.4313, 0.2859, 0.2178**, and the grayscale version is **53.0760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8443, 0.3308, 0.4059**, and **30.6485, 0.3300, 0.4813** is the 20% darker color. If you saturate the color by 10%, you get **58.5445, 0.3314, 0.4796**, and if you desaturate by 10%, it is **62.6561, 0.3261, 0.4162**.

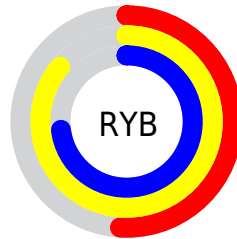
# Distribution



Red (64%)

Green (86%)

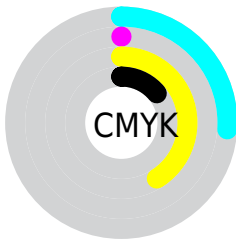
Blue (51%)



Red (51%)

Yellow (86%)

Blue (73%)

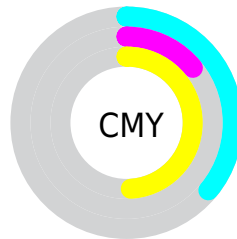


Cyan (26%)

Magenta (0%)

Yellow (41%)

Black (14%)



Cyan (36%)

Magenta (14%)


Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.4528, 0.3293, 0.4478 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 60.4528, 0.3293, 0.4478 by changing the saturation by 10% instead.





 60.4528, 0.3293,  
0.4478


 60.4528, 0.3293,  
0.4478


426.2648, 0.3236,  
0.3881


 43.7837, 0.3299,  
0.4625


 105.4862, 0.3279,  
0.4262

 30.5005, 0.3301,  
0.4812


 134.6194, 0.3271,  
0.4181

 20.2188, 0.3296,  
0.5055


 168.6760, 0.3264,  
0.4112

 12.5542, 0.3272,  
0.5383

208.0404, 0.3258,  
0.4052

 7.1223, 0.3206,  
0.5839

253.0971, 0.3252,  
0.4001

 3.5387, 0.3182,  
0.6818

304.2305, 0.3246,

 1.4190, 0.2307,

0.3956

0.7693

361.8249, 0.3241,  
0.3917

■ 0.2307, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.4528, 0.3293,  
0.4478

■ 60.4528, 0.3293,  
0.4478

■ 58.5445, 0.3314,  
0.4796

■ 62.6561, 0.3261,  
0.4162

■ 56.9097, 0.3321,  
0.5100


■ 65.1590, 0.3222,  
0.3860

■ 55.5364, 0.3311,  
0.5372

■ 67.9758, 0.3179,  
0.3579


■ 54.4081, 0.3283,  
0.5595


■ 71.1177, 0.3133,  
0.3323

 53.5059, 0.3239,  
0.5755

 74.5952, 0.3088,  
0.3092

 52.8854, 0.3193,  
0.5847

 78.0259, 0.3082,  
0.2943

 79.6693, 0.3143,  
0.2950

# Harmonies

## Analogous

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



60.4528, 0.3911, 0.4440



60.4528, 0.3293, 0.4478



60.4528, 0.2663, 0.4069

# Triad

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



60.4528, 0.3293, 0.4478



60.4528, 0.2014, 0.2384



60.4528, 0.4135, 0.3092

# Complementary

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



60.4528, 0.3293, 0.4478



31.4313, 0.2859, 0.2178

# Split Complementary

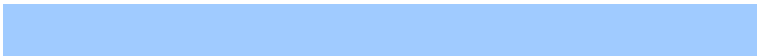
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



60.4528, 0.3523, 0.2660



60.4528, 0.3293, 0.4478



60.4528, 0.2314, 0.2261

# Square

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



60.4528, 0.3293, 0.4478



60.4528, 0.1968, 0.2765



60.4528, 0.2847, 0.2365



60.4528, 0.4443, 0.3591



# Rectangle

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



60.4528, 0.3293, 0.4478



60.4528, 0.2322, 0.3622



60.4528, 0.2847, 0.2365



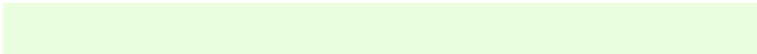
60.4528, 0.3954, 0.2937

# Sweetspot

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



60.4554, 0.3293, 0.4478



94.6705, 0.3182, 0.3599



52.1871, 0.3891, 0.3969



20.1479, 0.3188, 0.3635



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

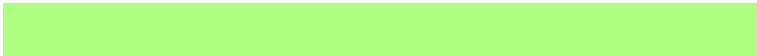


# Same Dimension

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



60.4554, 0.3293, 0.4478



82.0340, 0.3313, 0.4766



57.7829, 0.2999, 0.4392



14.8349, 0.3170, 0.3528



31.0937, 0.3204, 0.5838



2.0621, 0.3332, 0.5736



# Inverse Universe

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



31.4313, 0.2859, 0.2178



36.0488, 0.2780, 0.1930



35.4631, 0.3291, 0.2395



13.0265, 0.3080, 0.3055



6.3808, 0.2320, 0.1051



0.4614, 0.2465, 0.1132



# Previews

## White Background



This preview shows how the Yxy color 60.4528, 0.3293, 0.4478 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 60.4528, 0.3293, 0.4478 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 60.4528, 0.3293, 0.4478**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.4528, 0.3293, 0.4478.



This preview shows how white text looks on a background with the Yxy color 60.4528, 0.3293, 0.4478.

# 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

60.4528, 0.3293, 0.4478

### Protanopia

59.6715, 0.3875, 0.4200

### Deuteranopia

59.5659, 0.4018, 0.3925



## Tritanopia

60.3843, 0.2797, 0.3098

# Trichromacy



## Original Color

60.4528, 0.3293, 0.4478



## Protanomaly

59.3610, 0.3649, 0.4305



## Deuteranomaly

58.7015, 0.3736, 0.4113



## Tritanomaly

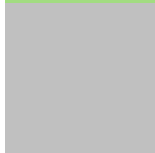
60.0769, 0.2985, 0.3579

# Monochromacy



## Original Color

60.4528, 0.3293, 0.4478



## Achromatopsia

52.7115, 0.3127, 0.3290



## Achromatomaly

54.9294, 0.3200, 0.3714

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.4528, 0.3293, 0.4478 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(162, 220, 129)` looks like.

```
.text, #text, p{  
    color:rgb(162, 220, 129)  
}
```

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(162, 220, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 220, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 60.4528, 0.3293, 0.4478 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(162, 220, 129) }
```

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

```
.border{ border-color:rgb(162, 220, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 220, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 220, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 220, 129);  
box-shadow:4px 4px 4px 4px rgb(162, 220,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.4528, 0.3293, 0.4478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 220, 129) }
```

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

```
.background{ background-color: rgb(162,  
220, 129) }
```

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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