

# Converting Colors

$Yxy(60.2982, 0.2606, 0.4250)$

Have a look what the booklet for  
Yxy(60.2982, 0.2606, 0.4250)  
contains.

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# Color

**Yxy(60.2981, 0.2603, 0.4244)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EE6A4
RGB	62, 230, 164
RGB Percent	24%, 90%, 64%
CMY	0.7568, 0.0980, 0.3570
CMYK	0.73, 0.00, 0.29, 0.10
HSL	156°, 77%, 57%
HSV	156°, 73%, 90%
XYZ	36.9830, 60.2981, 44.7973
YIQ	172.2440, -78.9420, -56.1420

# Conversions

## Conversions Part 2

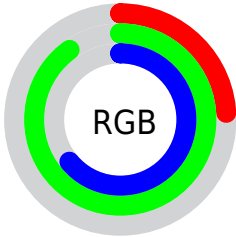
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 167, 230
Decimal	4122276
CIELab	82.00, -57.39, 20.21
CIELCh	82, 60.843, 160.596
Yxy	60.2981, 0.2603, 0.4244
Android (android.graphics.Color)	4282312356 (0xFF3EE6A4)
YUV	172.2440, -4.0643, -96.6840
Hunter-Lab	77.6519, -50.8771, 20.1519

# Details

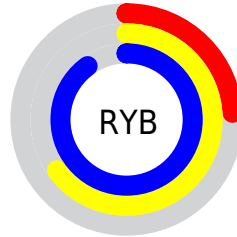
The Yxy color **60.2981, 0.2603, 0.4244** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **21.8318, 0.4625, 0.2639**, and the grayscale version is **41.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.4598, 0.2643, 0.3719**, and **31.0570, 0.2578, 0.4481** is the 20% darker color. If you saturate the color by 10%, you get **59.3923, 0.2595, 0.4398**, and if you desaturate by 10%, it is **61.5464, 0.2631, 0.4090**.

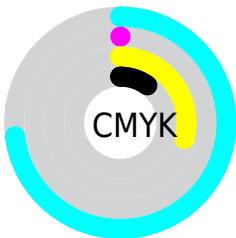
# Distribution



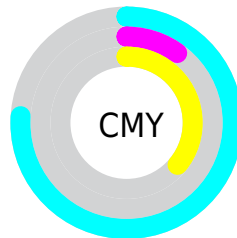
- Red (24%)
- Green (90%)
- Blue (64%)



- Red (24%)
- Yellow (65%)
- Blue (90%)



- Cyan (73%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)




- Cyan (76%)
- Magenta (10%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 60.2981, 0.2603, 0.4244 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 60.2981, 0.2603, 0.4244 by changing the saturation by 10% instead.




 60.2981, 0.2603,  
0.4244


 60.2981, 0.2603,  
0.4244

425.6957, 0.2866,  
0.3759


 43.6590, 0.2537,  
0.4367


 105.2620, 0.2699,  
0.4066

 30.4025, 0.2453,  
0.4525


 134.3555, 0.2735,  
0.4000

 20.1443, 0.2341,  
0.4736


 168.3693, 0.2765,  
0.3944

 12.5000, 0.2187,  
0.5031

 207.6877, 0.2791,  
0.3897

 7.0851, 0.1961,  
0.5469

252.6951, 0.2814,  
0.3855

 3.5154, 0.1608,  
0.6171

303.7760, 0.2834,

 1.4064, 0.0000,

0.3819

0.9769

361.3148, 0.2851,  
0.3787

■ 0.2214, 0.0000,  
1.0000

■ 0.0000, 0.0000,  
0.0000

■ 60.2981, 0.2603,  
0.4244

■ 60.2981, 0.2603,  
0.4244

■ 59.3923, 0.2595,  
0.4398

■ 61.5464, 0.2631,  
0.4090


■ 58.7785, 0.2608,  
0.4550


■ 63.1657, 0.2678,  
0.3940


■ 58.4776, 0.2626,  
0.4653


■ 65.1895, 0.2742,  
0.3796


■ 67.6455, 0.2818,  
0.3661

 70.5589, 0.2905,  
0.3536

 73.9529, 0.2999,  
0.3422

 77.8492, 0.3097,  
0.3319

 82.2681, 0.3197,  
0.3227

 84.4699, 0.3200,  
0.3140

# Harmonies

## Analogous

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



60.2981, 0.3329, 0.4706



60.2981, 0.2603, 0.4244



60.2981, 0.2058, 0.3424

# Triad

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



60.2981, 0.2603, 0.4244



60.2981, 0.2173, 0.2114



60.2981, 0.4657, 0.3589

# Complementary

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



60.2981, 0.2603, 0.4244



21.8318, 0.4625, 0.2639

# 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.



60.2981, 0.4284, 0.3030



60.2981, 0.2603, 0.4244



60.2981, 0.2768, 0.2226

# Square

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



60.2981, 0.2603, 0.4244



60.2981, 0.1849, 0.2253



60.2981, 0.3552, 0.2550



60.2981, 0.4543, 0.4154



# Rectangle

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



60.2981, 0.2603, 0.4244



60.2981, 0.1856, 0.2905



60.2981, 0.3552, 0.2550



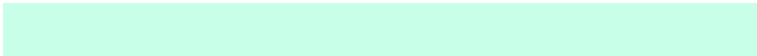
60.2981, 0.4586, 0.3398

# Sweetspot

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



60.3005, 0.2603, 0.4244



89.5286, 0.2913, 0.3525



61.6284, 0.3346, 0.5391



18.9321, 0.2889, 0.3558



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.



60.3005, 0.2603, 0.4244



74.5874, 0.2600, 0.4482



54.4309, 0.2256, 0.3061



16.2354, 0.3034, 0.3384



33.1299, 0.2619, 0.4630



2.4663, 0.2559, 0.4412



# Inverse Universe

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



21.8318, 0.4625, 0.2639



23.5466, 0.5109, 0.2671



22.7383, 0.5493, 0.3442



14.4614, 0.3231, 0.3198



9.9686, 0.5400, 0.2749

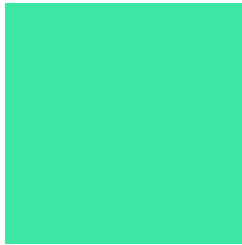


0.7545, 0.5011, 0.2534



# Previews

## White Background



This preview shows how the Yxy color 60.2981, 0.2603, 0.4244 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 60.2981, 0.2603, 0.4244 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

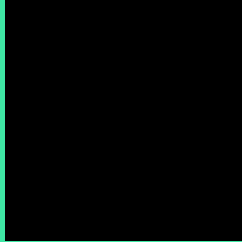
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 60.2981, 0.2603, 0.4244**

## **Background**



This preview shows how black text looks on a background with the Yxy color 60.2981, 0.2603, 0.4244.

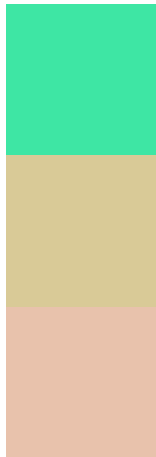


This preview shows how white text looks on a background with the Yxy color 60.2981, 0.2603, 0.4244.

# 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

60.2981, 0.2603, 0.4244

### Protanopia

59.2271, 0.3631, 0.3888

### Deuteranopia

58.7179, 0.3617, 0.3539



## Tritanopia

59.8462, 0.2343, 0.3058

# Trichromacy



## Original Color

60.2981, 0.2603, 0.4244



## Protanomaly

57.0643, 0.3128, 0.4034



## Deuteranomaly

56.0363, 0.3111, 0.3786



## Tritanomaly

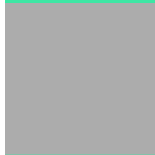
59.8993, 0.2433, 0.3464

# Monochromacy



## Original Color

60.2981, 0.2603, 0.4244



## Achromatopsia

41.2543, 0.3127, 0.3290



## Achromatomaly

45.9100, 0.2833, 0.3639

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 60.2981, 0.2603, 0.4244 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(62, 230, 164)` looks like.

```
.text, #text, p{  
    color:rgb(62, 230, 164)  
}
```

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(62, 230, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 230, 164) }
```

## Border

The CSS property to change the border of an element to Yxy 60.2981, 0.2603, 0.4244 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(62, 230, 164) }
```

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

```
.border{ border-color:rgb(62, 230, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 230, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 230, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 230, 164);  
box-shadow:4px 4px 4px 4px rgb(62, 230,  
164) }
```



# Background

The CSS property to change the background color of an element to Yxy 60.2981, 0.2603, 0.4244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 230, 164) }
```

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

```
.background{ background-color: rgb(62, 230,  
164) }
```

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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