

# Converting Colors

Yxy(54.3218, 0.2734, 0.4647)

Have a look what the booklet for  
Yxy(54.3218, 0.2734, 0.4647)  
contains.

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# Color

**Yxy(54.4030, 0.2734, 0.4648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3EDD84
RGB	62, 221, 132
RGB Percent	24%, 87%, 52%
CMY	0.7575, 0.1333, 0.4824
CMYK	0.72, 0.00, 0.40, 0.13
HSL	146°, 70%, 55%
HSV	146°, 72%, 87%
XYZ	32.0004, 54.4030, 30.6427
YIQ	163.3130, -66.1950, -61.3870

# Conversions

## Conversions Part 2

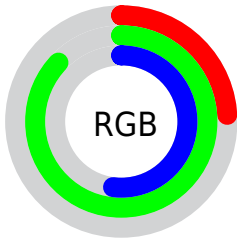
Format	Color
<a href="#">RYB</a>	<a href="#">62, 172, 221</a>
Decimal	<a href="#">4119940</a>
CIELab	<a href="#">78.70, -60.34, 32.20</a>
CIELCh	<a href="#">79, 68.393, 151.909</a>
Yxy	<a href="#">54.4030, 0.2734, 0.4648</a>
Android (android.graphics.Color)	<a href="#">4282310020 (0xFF3EDD84)</a>
YUV	<a href="#">163.3130, -15.4373, -88.8515</a>
Hunter-Lab	<a href="#">73.7584, -51.6342, 26.9991</a>

# Details

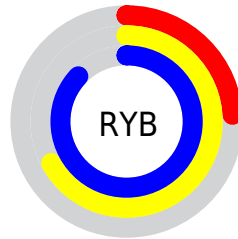
The Yxy color **54.4030, 0.2734, 0.4648** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **21.0326, 0.4148, 0.2351**, and the grayscale version is **36.8599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8110, 0.2794, 0.4143**, and **27.5043, 0.2729, 0.5024** is the 20% darker color. If you saturate the color by 10%, you get **53.5135, 0.2736, 0.4865**, and if you desaturate by 10%, it is **55.6271, 0.2752, 0.4427**.

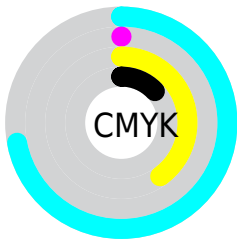
# Distribution



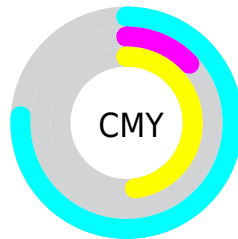
- Red (24%)
- Green (87%)
- Blue (52%)



- Red (24%)
- Yellow (67%)
- Blue (87%)



- Cyan (72%)
- Magenta (0%)
- Yellow (40%)
- Black (13%)




- Cyan (76%)
- Magenta (13%)
- Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4030, 0.2734, 0.4648 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 54.4030, 0.2734, 0.4648 by changing the saturation by 10% instead.




 54.4030, 0.2734,  
0.4648


 54.4030, 0.2734,  
0.4648

403.6449, 0.2953,  
0.3935


 38.9239, 0.2673,  
0.4835


 96.6657, 0.2819,  
0.4382


 26.7006, 0.2590,  
0.5078


 124.2181, 0.2849,  
0.4284


 17.3485, 0.2473,  
0.5408


 156.5638, 0.2874,  
0.4202

 10.4833, 0.2300,  
0.5874

 194.0872, 0.2895,  
0.4133

 5.7205, 0.2022,  
0.6567

 237.1726, 0.2913,  
0.4073

 2.6759, 0.1558,  
0.8435

286.2044, 0.2928,

 0.9650, 0.0000,

0.4021

1.0000

341.5670, 0.2941,  
0.3976

■ 0.0000, 0.0000,  
0.0000

■ 54.4030, 0.2734,  
0.4648

■ 54.4030, 0.2734,  
0.4648

■ 53.5135, 0.2736,  
0.4865

■ 55.6271, 0.2752,  
0.4427

■ 52.9127, 0.2757,  
0.5070


■ 57.2120, 0.2787,  
0.4210

■ 52.5909, 0.2784,  
0.5222

■ 59.1885, 0.2836,  
0.4001


■ 61.5823, 0.2896,  
0.3806

■ 64.4168, 0.2964,  
0.3626

 67.7136, 0.3037,  
0.3463

 71.4930, 0.3112,  
0.3317

 75.7739, 0.3187,  
0.3188

 79.4658, 0.3220,  
0.3072

# Harmonies

## Analogous

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



54.4030, 0.3579, 0.4973



54.4030, 0.2734, 0.4648



54.4030, 0.2044, 0.3726

# Triad

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



54.4030, 0.2734, 0.4648



54.4030, 0.1904, 0.1970



54.4030, 0.4834, 0.3413

# Complementary

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



54.4030, 0.2734, 0.4648



21.0326, 0.4148, 0.2351

# 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.



54.4030, 0.4253, 0.2812



54.4030, 0.2734, 0.4648



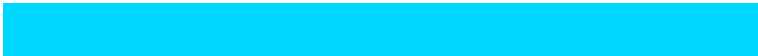
54.4030, 0.2483, 0.2025

# Square

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



54.4030, 0.2734, 0.4648



54.4030, 0.1636, 0.2203



54.4030, 0.3338, 0.2322



54.4030, 0.4839, 0.4054



# Rectangle

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



54.4030, 0.2734, 0.4648



54.4030, 0.1758, 0.3071



54.4030, 0.3338, 0.2322



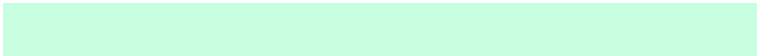
54.4030, 0.4699, 0.3205

# Sweetspot

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



54.4052, 0.2734, 0.4648



89.0100, 0.2963, 0.3629



58.7456, 0.3536, 0.5235



18.8097, 0.2944, 0.3676



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.



54.4052, 0.2734, 0.4648



73.5654, 0.2743, 0.4962



57.4125, 0.2364, 0.3434



14.7011, 0.3056, 0.3424



30.5685, 0.2776, 0.5193



1.9975, 0.2687, 0.4873



# Inverse Universe

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



21.0326, 0.4148, 0.2351



24.9842, 0.4457, 0.2317



19.2767, 0.5435, 0.3202



13.1729, 0.3205, 0.3160



9.7925, 0.4701, 0.2363

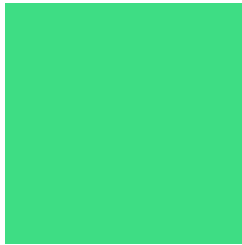


0.6516, 0.4391, 0.2193



# Previews

## White Background



This preview shows how the Yxy color 54.4030, 0.2734, 0.4648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

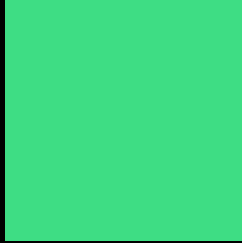
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.4030, 0.2734, 0.4648 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 54.4030, 0.2734, 0.4648**

## Background



This preview shows how black text looks on a background with the Yxy color 54.4030, 0.2734, 0.4648.

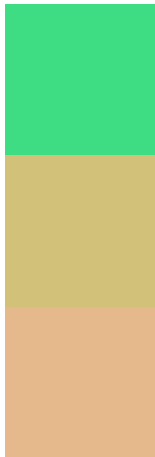


This preview shows how white text looks on a background with the Yxy color 54.4030, 0.2734, 0.4648.

# 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

54.4030, 0.2734, 0.4648

### Protanopia

53.2220, 0.3833, 0.4155

### Deuteranopia

53.2494, 0.3889, 0.3807



## Tritanopia

54.2359, 0.2368, 0.3062

# Trichromacy



## Original Color

54.4030, 0.2734, 0.4648



## Protanomaly

51.2605, 0.3306, 0.4371



## Deuteranomaly

50.5191, 0.3331, 0.4119



## Tritanomaly

53.8302, 0.2497, 0.3602

# Monochromacy



## Original Color

54.4030, 0.2734, 0.4648



## Achromatopsia

36.6253, 0.3127, 0.3290



## Achromatomaly

40.9836, 0.2899, 0.3782

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.4030, 0.2734, 0.4648 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, 221, 132)` looks like.

```
.text, #text, p{  
    color:rgb(62, 221, 132)  
}
```

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, 221, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 221, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 54.4030, 0.2734, 0.4648 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, 221, 132) }
```

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

```
.border{ border-color:rgb(62, 221, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 221, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 221, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 221, 132);  
box-shadow:4px 4px 4px 4px rgb(62, 221,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.4030, 0.2734, 0.4648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 221, 132) }
```

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

```
.background{ background-color: rgb(62, 221,  
132) }
```

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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