

# Converting Colors

$Yxy(44.7918, 0.2657, 0.4630)$

Have a look what the booklet for  
Yxy(44.7918, 0.2657, 0.4630)  
contains.

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# Color

**Yxy(44.9323, 0.2656, 0.4627)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1FCC7C
RGB	31, 204, 124
RGB Percent	12%, 80%, 49%
CMY	0.8792, 0.2000, 0.5137
CMYK	0.85, 0.00, 0.39, 0.20
HSL	152°, 74%, 46%
HSV	152°, 85%, 80%
XYZ	25.7921, 44.9323, 26.3845
YIQ	143.1530, -77.4280, -61.5560

# Conversions

## Conversions Part 2

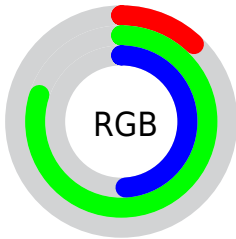
Format	Color
R <sub>Y</sub> B	31, 144, 204
Decimal	2083964
CIE Lab	72.85, -59.25, 28.50
CIE LCh	73, 65.751, 154.316
Yxy	44.9323, 0.2656, 0.4627
Android (android.graphics.Color)	4280274044 (0xFF1FCC7C)
YUV	143.1530, -9.4424, -98.3582
Hunter-Lab	67.0316, -48.6227, 23.5848

# Details

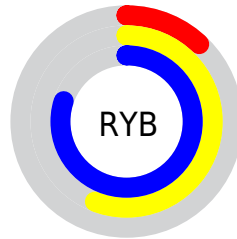
The Yxy color **44.9323, 0.2656, 0.4627** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **14.9527, 0.4741, 0.2509**, and the grayscale version is **27.5732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9455, 0.2748, 0.4284**, and **21.6742, 0.2716, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **44.4857, 0.2676, 0.4801**, and if you desaturate by 10%, it is **45.6051, 0.2656, 0.4447**.

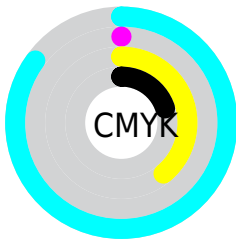
# Distribution



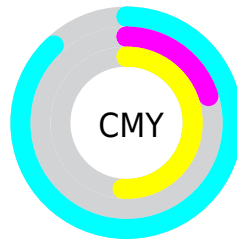
- Red (12%)
- Green (80%)
- Blue (49%)



- Red (12%)
- Yellow (56%)
- Blue (80%)



- Cyan (85%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)




- Cyan (88%)
- Magenta (20%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9323, 0.2656, 0.4627 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 44.9323, 0.2656, 0.4627 by changing the saturation by 10% instead.





 44.9323, 0.2656,  
0.4627

 44.9323, 0.2656,  
0.4627


366.4993, 0.2919,  
0.3904


 31.4041, 0.2581,  
0.4825


 82.6188, 0.2758,  
0.4351


 20.9068, 0.2479,  
0.5089


 107.5459, 0.2795,  
0.4251

 13.0559, 0.2334,  
0.5456

 137.0414, 0.2825,  
0.4169

 7.4670, 0.2114,  
0.5995

 171.4898, 0.2850,  
0.4099

 3.7559, 0.1757,  
0.6853

 211.2754, 0.2871,  
0.4039

 1.5379, 0.0000,  
1.0000

256.7825, 0.2889,


 0.3152, 0.0000,


0.3988

1.0000


308.3957, 0.2905,  
0.3943


 0.0000, 0.0000,  
0.0000

 44.9323, 0.2656,  
0.4627

 44.9323, 0.2656,  
0.4627


 44.4857, 0.2676,  
0.4801


 45.6051, 0.2656,  
0.4447

 44.3111, 0.2691,  
0.4887

 46.5320, 0.2675,  
0.4265

 47.7426, 0.2714,  
0.4087

 49.2605, 0.2768,  
0.3916

 51.1072, 0.2836,  
0.3754

■ 53.3017, 0.2913,  
0.3605

■ 55.8620, 0.2996,  
0.3468

■ 58.8045, 0.3084,  
0.3345

■ 62.1447, 0.3173,  
0.3236

# Harmonies

## Analogous

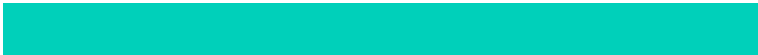
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.9323, 0.3514, 0.5017



44.9323, 0.2656, 0.4627



44.9323, 0.1976, 0.3651

# Triad

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



44.9323, 0.2656, 0.4627



44.9323, 0.1915, 0.1939



44.9323, 0.4897, 0.3461

# Complementary

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



44.9323, 0.2656, 0.4627



14.9527, 0.4741, 0.2509

# 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.



44.9323, 0.4346, 0.2846



44.9323, 0.2656, 0.4627



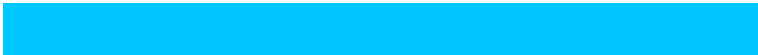
44.9323, 0.2528, 0.2016

# Square

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



44.9323, 0.2656, 0.4627



44.9323, 0.1618, 0.2147



44.9323, 0.3419, 0.2336



44.9323, 0.4851, 0.4115



# Rectangle

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



44.9323, 0.2656, 0.4627



44.9323, 0.1706, 0.2990



44.9323, 0.3419, 0.2336



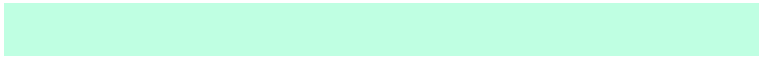
44.9323, 0.4777, 0.3249

# Sweetspot

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



44.9341, 0.2656, 0.4627



88.0953, 0.2909, 0.3611



46.7093, 0.3391, 0.5562



18.5666, 0.2881, 0.3663



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.



44.9341, 0.2656, 0.4627



73.3323, 0.2697, 0.4908



45.1448, 0.2248, 0.3201



12.6362, 0.3044, 0.3399



27.9061, 0.2684, 0.4864



1.4549, 0.2591, 0.4527



# Inverse Universe

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



14.9527, 0.4741, 0.2509



22.5629, 0.5165, 0.2619



14.2343, 0.6041, 0.3333



11.2984, 0.3219, 0.3183



8.6096, 0.5102, 0.2584

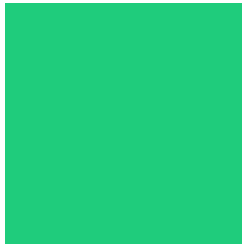


0.4594, 0.4638, 0.2329



# Previews

## White Background



This preview shows how the Yxy color 44.9323, 0.2656, 0.4627 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 44.9323, 0.2656, 0.4627 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 44.9323, 0.2656, 0.4627**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9323, 0.2656, 0.4627.



This preview shows how white text looks on a background with the Yxy color 44.9323, 0.2656, 0.4627.

# 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

44.9323, 0.2656, 0.4627

### Protanopia

43.9740, 0.3816, 0.4124

### Deuteranopia

43.9707, 0.3840, 0.3766



## Tritanopia

44.8564, 0.2321, 0.3056

# Trichromacy



## Original Color

44.9323, 0.2656, 0.4627



## Protanomaly

41.8933, 0.3210, 0.4364



## Deuteranomaly

40.9702, 0.3215, 0.4091



## Tritanomaly

44.6349, 0.2429, 0.3583

# Monochromacy



## Original Color

44.9323, 0.2656, 0.4627



## Achromatopsia

27.4677, 0.3127, 0.3290



## Achromatomaly

31.5126, 0.2816, 0.3795

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9323, 0.2656, 0.4627 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(31, 204, 124)` looks like.

```
.text, #text, p{  
    color:rgb(31, 204, 124)  
}
```

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(31, 204, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 204, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9323, 0.2656, 0.4627 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(31, 204, 124) }
```

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

```
.border{ border-color:rgb(31, 204, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 204, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 204, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 204, 124);  
box-shadow:4px 4px 4px 4px rgb(31, 204,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9323, 0.2656, 0.4627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 204, 124) }
```

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

```
.background{ background-color: rgb(31, 204,  
124) }
```

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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