

# Converting Colors

$Yxy(44.0324, 0.3068, 0.3575)$

Have a look what the booklet for  
Yxy(44.0324, 0.3068, 0.3575)  
contains.

<b>Yxy(44.1944, 0.3072, 0.3586)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.1944, 0.3072, 0.3586)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9EB8A3
RGB	158, 184, 163
RGB Percent	62%, 72%, 64%
CMY	0.3802, 0.2785, 0.3608
CMYK	0.14, 0.00, 0.11, 0.28
HSL	131°, 15%, 67%
HSV	131°, 14%, 72%
XYZ	37.8598, 44.1944, 41.1873
YIQ	173.8320, -8.7550, -12.0430

# Conversions

## Conversions Part 2

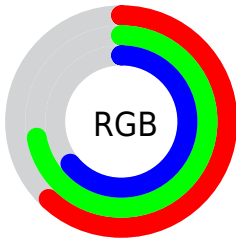
Format	Color
R <sub>Y</sub> B	158, 180, 184
Decimal	10401955
CIE Lab	72.36, -12.97, 7.70
CIE LCh	72, 15.079, 149.299
Yxy	44.1944, 0.3072, 0.3586
Android (android.graphics.Color)	4288592035 (0xFF9EB8A3)
YUV	173.8320, -5.3402, -13.8847
Hunter-Lab	66.4789, -14.6821, 9.8018

# Details

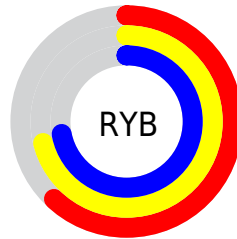
The Yxy color **44.1944, 0.3072, 0.3586** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **37.9173, 0.3188, 0.3011**, and the grayscale version is **42.2734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.5283, 0.3083, 0.3528**, and **20.4445, 0.3052, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **41.9646, 0.3033, 0.3828**, and if you desaturate by 10%, it is **46.7702, 0.3111, 0.3371**.

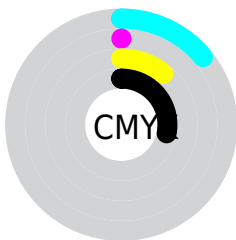
# Distribution



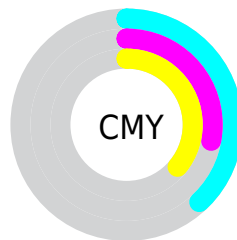
- Red (62%)
- Green (72%)
- Blue (64%)



- Red (62%)
- Yellow (71%)
- Blue (72%)



- Cyan (14%)
- Magenta (0%)
- Yellow (11%)
- Black (28%)




- Cyan (38%)
- Magenta (28%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1944, 0.3072, 0.3586 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 44.1944, 0.3072, 0.3586 by changing the saturation by 10% instead.





 44.1944, 0.3072,  
0.3586

 44.1944, 0.3072,  
0.3586


363.5010, 0.3101,  
0.3434

 30.8234, 0.3064,  
0.3625


 81.5102, 0.3083,  
0.3530

 20.4644, 0.3054,  
0.3677


 106.2237, 0.3087,  
0.3509

 12.7331, 0.3039,  
0.3747


135.4869, 0.3090,  
0.3491

 7.2450, 0.3017,  
0.3849


169.6841, 0.3093,  
0.3476

 3.6158, 0.2982,  
0.4008

209.1997, 0.3096,  
0.3463

 1.4610, 0.2914,  
0.4292

254.4181, 0.3098,

 0.2611, 0.0000,

0.3452

1.0000

305.7238, 0.3100,  
0.3442

0.0000, 0.0000,  
0.0000

44.1944, 0.3072,  
0.3586

44.1944, 0.3072,  
0.3586

41.9646, 0.3033,  
0.3828

46.7702, 0.3111,  
0.3371

40.0606, 0.2996,  
0.4095

49.6999, 0.3150,  
0.3181

38.4686, 0.2963,  
0.4383


52.9984, 0.3186,  
0.3016


37.1718, 0.2936,  
0.4683

56.6779, 0.3221,  
0.2872

36.1517, 0.2919,  
0.4983


60.7501, 0.3254,  
0.2748

 35.3876, 0.2913,  
0.5268

 62.5859, 0.3180,  
0.2618

 34.8560, 0.2919,  
0.5519

 62.7572, 0.3160,  
0.2595

 34.5287, 0.2937,  
0.5720

 34.3994, 0.2948,  
0.5814

# Harmonies

## Analogous

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



44.1944, 0.3287, 0.3667



44.1944, 0.3072, 0.3586



44.1944, 0.2877, 0.3417

# Triad

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



44.1944, 0.3072, 0.3586



44.1944, 0.2796, 0.2946



44.1944, 0.3519, 0.3344

# Complementary

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



44.1944, 0.3072, 0.3586



37.9173, 0.3188, 0.3011

# 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.



44.1944, 0.3379, 0.3164



44.1944, 0.3072, 0.3586



44.1944, 0.2959, 0.2939

# Square

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



44.1944, 0.3072, 0.3586



44.1944, 0.2721, 0.3044



44.1944, 0.3172, 0.3018



44.1944, 0.3550, 0.3517



# Rectangle

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



44.1944, 0.3072, 0.3586



44.1944, 0.2783, 0.3282



44.1944, 0.3172, 0.3018



44.1944, 0.3483, 0.3282

# Sweetspot

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



44.1963, 0.3072, 0.3586



84.8082, 0.3111, 0.3370



46.3595, 0.3293, 0.3638



18.2026, 0.3108, 0.3385



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

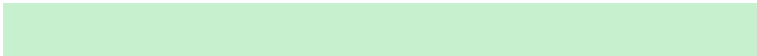


# Same Dimension

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



44.1963, 0.3072, 0.3586



78.7710, 0.3059, 0.3660



44.6775, 0.2976, 0.3404



10.0874, 0.3091, 0.3480



23.7184, 0.2944, 0.5797



0.8446, 0.2815, 0.5333



# Inverse Universe

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



37.9173, 0.3188, 0.3011



65.1187, 0.3203, 0.2946



37.4241, 0.3305, 0.3179



9.1325, 0.3166, 0.3107



8.5256, 0.3752, 0.1840



0.3082, 0.3588, 0.1750



# Previews

## White Background



This preview shows how the Yxy color 44.1944, 0.3072, 0.3586 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

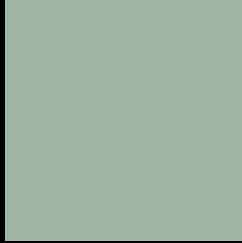
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1944, 0.3072, 0.3586 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

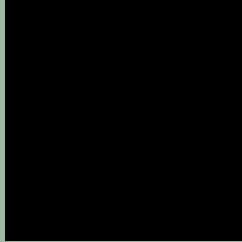
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.1944, 0.3072, 0.3586**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1944, 0.3072, 0.3586.



This preview shows how white text looks on a background with the Yxy color 44.1944, 0.3072, 0.3586.

# 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

44.1944, 0.3072, 0.3586

### Protanopia

44.1378, 0.3340, 0.3531

### Deuteranopia

43.8848, 0.3420, 0.3355



## Tritanopia

44.3241, 0.2880, 0.3101

# Trichromacy



## Original Color

44.1944, 0.3072, 0.3586

## Protanomaly

44.2945, 0.3245, 0.3563

## Deuteranomaly

43.8346, 0.3281, 0.3437

## Tritanomaly

44.0437, 0.2945, 0.3262

# Monochromacy



## Original Color

44.1944, 0.3072, 0.3586

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

43.0679, 0.3105, 0.3400

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1944, 0.3072, 0.3586 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(158, 184, 163)` looks like.

```
.text, #text, p{  
    color:rgb(158, 184, 163)  
}
```

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(158, 184, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 184, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1944, 0.3072, 0.3586 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(158, 184, 163) }
```

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

```
.border{ border-color:rgb(158, 184, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 184, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 184, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 184, 163);  
box-shadow:4px 4px 4px 4px rgb(158, 184,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1944, 0.3072, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 184, 163) }
```

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

```
.background{ background-color: rgb(158,  
184, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor