

# Converting Colors

$Yxy(45.0776, 0.3143, 0.3597)$

Have a look what the booklet for  
Yxy(45.0776, 0.3143, 0.3597)  
contains.

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# Color

**Yxy(44.9966, 0.3147, 0.3595)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6B8A2
RGB	166, 184, 162
RGB Percent	65%, 72%, 64%
CMY	0.3489, 0.2784, 0.3648
CMYK	0.10, 0.00, 0.12, 0.28
HSL	109°, 13%, 68%
HSV	109°, 12%, 72%
XYZ	39.3892, 44.9966, 40.7786
YIQ	176.1100, -3.6660, -10.6580

# Conversions

## Conversions Part 2

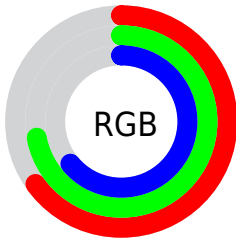
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	162, 184, 180
Decimal	10926242
CIE <sub>Lab</sub>	72.89, -10.37, 9.09
CIE <sub>LCh</sub>	73, 13.791, 138.741
Yxy	44.9966, 0.3147, 0.3595
Android (android.graphics.Color)	4289116322 (0xFFA6B8A2)
YUV	176.1100, -6.9562, -8.8665
Hunter-Lab	67.0795, -12.5735, 10.9124

# Details

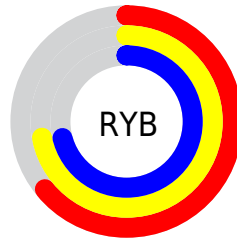
The Yxy color  $44.9966, 0.3147, 0.3595$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $38.9897, 0.3103, 0.2997$ , and the grayscale version is  $43.5165, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.7021, 0.3142, 0.3535$ , and  $20.9358, 0.3154, 0.3695$  is the 20% darker color. If you saturate the color by 10%, you get  $42.8617, 0.3161, 0.3882$ , and if you desaturate by 10%, it is  $47.4206, 0.3131, 0.3337$ .

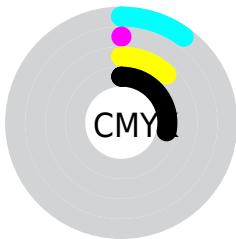
# Distribution



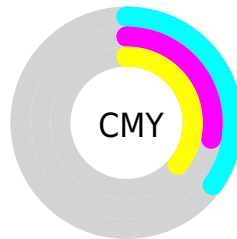
- Red (65%)
- Green (72%)
- Blue (64%)



- Red (64%)
- Yellow (72%)
- Blue (71%)



- Cyan (10%)
- Magenta (0%)
- Yellow (12%)
- Black (28%)



- Cyan (35%)
- Magenta (28%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9966, 0.3147, 0.3595 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 44.9966, 0.3147, 0.3595 by changing the saturation by 10% instead.




 44.9966, 0.3147,  
0.3595


 44.9966, 0.3147,  
0.3595


366.7598, 0.3138,  
0.3439

 31.4547, 0.3149,  
0.3635

 82.7153, 0.3144,  
0.3537

 20.9454, 0.3151,  
0.3688


 107.6610, 0.3143,  
0.3516

 13.0841, 0.3153,  
0.3759


137.1767, 0.3142,  
0.3498

 7.4865, 0.3154,  
0.3861

171.6468, 0.3141,  
0.3483

 3.7682, 0.3154,  
0.4019

211.4558, 0.3140,  
0.3469

 1.5447, 0.3148,  
0.4298

256.9880, 0.3140,

 0.3199, 0.1374,

0.3458

0.8626

308.6279, 0.3139,  
0.3448

0.0000, 0.0000,  
0.0000

44.9966, 0.3147,  
0.3595

44.9966, 0.3147,  
0.3595

42.8617, 0.3161,  
0.3882

47.4206, 0.3131,  
0.3337

40.9996, 0.3172,  
0.4195

50.1381, 0.3113,  
0.3109

39.4008, 0.3178,  
0.4526

53.1605, 0.3095,  
0.2908

38.0533, 0.3176,  
0.4863

56.4970, 0.3078,  
0.2733

36.9439, 0.3166,  
0.5187

60.1563, 0.3061,  
0.2581

■ 36.0585, 0.3147,  
0.5476

■ 62.7615, 0.3160,  
0.2595

■ 35.3810, 0.3120,  
0.5709

■ 34.8933, 0.3086,  
0.5869

■ 34.6185, 0.3060,  
0.5953

# Harmonies

## Analogous

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



44.9966, 0.3336, 0.3635



44.9966, 0.3147, 0.3595



44.9966, 0.2957, 0.3465

# Triad

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



44.9966, 0.3147, 0.3595



44.9966, 0.2791, 0.3000



44.9966, 0.3448, 0.3281

# Complementary

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



44.9966, 0.3147, 0.3595



38.9897, 0.3103, 0.2997

# 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.



44.9966, 0.3294, 0.3123



44.9966, 0.3147, 0.3595



44.9966, 0.2915, 0.2963

# Square

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



44.9966, 0.3147, 0.3595



44.9966, 0.2756, 0.3116



44.9966, 0.3098, 0.3008



44.9966, 0.3514, 0.3446



# Rectangle

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



44.9966, 0.3147, 0.3595



44.9966, 0.2855, 0.3348



44.9966, 0.3098, 0.3008



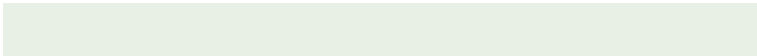
44.9966, 0.3405, 0.3225

# Sweetspot

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



44.9985, 0.3147, 0.3595



84.9979, 0.3134, 0.3389



45.2777, 0.3310, 0.3524



18.2506, 0.3135, 0.3408



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

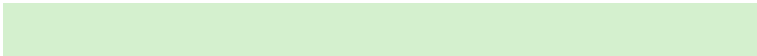


# Same Dimension

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



44.9985, 0.3147, 0.3595



80.6499, 0.3150, 0.3657



44.8090, 0.3062, 0.3504



10.1374, 0.3143, 0.3524



23.8814, 0.3066, 0.5948



0.8661, 0.3230, 0.5817



# Inverse Universe

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



38.9897, 0.3103, 0.2997



67.8978, 0.3098, 0.2939



39.2118, 0.3199, 0.3085



9.0771, 0.3109, 0.3063



6.8941, 0.2754, 0.1291



0.2650, 0.2878, 0.1359



# Previews

## White Background



This preview shows how the Yxy color 44.9966, 0.3147, 0.3595 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

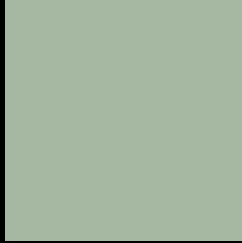
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9966, 0.3147, 0.3595 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

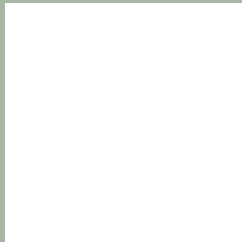
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.9966, 0.3147, 0.3595**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9966, 0.3147, 0.3595.



This preview shows how white text looks on a background with the Yxy color 44.9966, 0.3147, 0.3595.

# 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

44.9966, 0.3147, 0.3595

### Protanopia

44.7831, 0.3356, 0.3542

### Deuteranopia

44.6029, 0.3464, 0.3393



## Tritanopia

44.7932, 0.2944, 0.3092

# Trichromacy



## Original Color

44.9966, 0.3147, 0.3595

## Protanomaly

44.7643, 0.3281, 0.3560

## Deuteranomaly

44.3864, 0.3344, 0.3462

## Tritanomaly

44.8602, 0.3018, 0.3276

# Monochromacy



## Original Color

44.9966, 0.3147, 0.3595

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.9511, 0.3131, 0.3399

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9966, 0.3147, 0.3595 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(166, 184, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 184, 162)  
}
```

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(166, 184, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 184, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9966, 0.3147, 0.3595 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(166, 184, 162) }
```

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

```
.border{ border-color:rgb(166, 184, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 184, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 184, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 184, 162); box-shadow:4px 4px 4px 4px rgb(166, 184, 162) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9966, 0.3147, 0.3595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 184, 162) }
```

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

```
.background{ background-color: rgb(166,  
184, 162) }
```

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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