

# Converting Colors

Yxy(50.9147, 0.4138, 0.4124)

Have a look what the booklet for  
Yxy(50.9147, 0.4138, 0.4124)  
contains.

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# Color

**Yxy(50.8695, 0.4146, 0.4126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E3B66C
RGB	227, 182, 108
RGB Percent	89%, 71%, 42%
CMY	0.1097, 0.2863, 0.5766
CMYK	0.00, 0.20, 0.52, 0.11
HSL	37°, 68%, 66%
HSV	37°, 52%, 89%
XYZ	51.1161, 50.8695, 21.3045
YIQ	187.0190, 50.5740, -13.4740

# Conversions

## Conversions Part 2

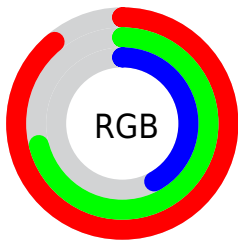
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 227, 108
Decimal	14923372
CIE <sub>Lab</sub>	76.60, 7.47, 43.55
CIE <sub>LCh</sub>	77, 44.182, 80.265
Y <sub>xy</sub>	50.8695, 0.4146, 0.4126
Android (android.graphics.Color)	4293113452 (0xFFE3B66C)
YUV	187.0190, -38.9564, 35.0633
Hunter-Lab	71.3229, 3.1134, 32.2157

# Details

The Yxy color **50.8695, 0.4146, 0.4126** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5131, 0.2245, 0.2250**, and the grayscale version is **49.9087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.9823, 0.3740, 0.4062**, and **24.4410, 0.4396, 0.4301** is the 20% darker color. If you saturate the color by 10%, you get **47.0407, 0.4373, 0.4254**, and if you desaturate by 10%, it is **55.0445, 0.3922, 0.3975**.

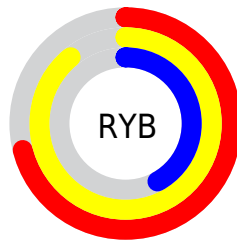
# Distribution



Red (89%)

Green (71%)

Blue (42%)



Red (71%)

Yellow (89%)

Blue (42%)

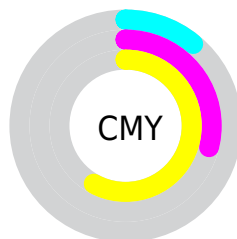


Cyan (0%)

Magenta (20%)

Yellow (52%)

Black (11%)



Cyan (11%)

Magenta (29%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.8695, 0.4146, 0.4126 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 50.8695, 0.4146, 0.4126 by changing the saturation by 10% instead.





 50.8695, 0.4146,  
0.4126


 50.8695, 0.4146,  
0.4126


390.0566, 0.3656,  
0.3739

 36.1048, 0.4258,  
0.4209

 91.4618, 0.3975,  
0.3995

 24.5151, 0.4393,  
0.4306


 118.0582, 0.3909,  
0.3943

 15.7162, 0.4559,  
0.4419


 149.3673, 0.3851,  
0.3897

 9.3235, 0.4761,  
0.4544


 185.7734, 0.3802,  
0.3858

 4.9528, 0.5092,  
0.4753

227.6610, 0.3759,  
0.3823

 2.2196, 0.5261,  
0.4739

275.4145, 0.3720,

 0.7306, 0.5456,

0.3792

0.4544

329.4182, 0.3686,  
0.3764

0.0000, 0.0000,  
0.0000

50.8695, 0.4146,  
0.4126

50.8695, 0.4146,  
0.4126

47.0407, 0.4373,  
0.4254

55.0445, 0.3922,  
0.3975

43.5371, 0.4592,  
0.4347

59.5712, 0.3707,  
0.3813

40.3457, 0.4792,  
0.4395

64.4636, 0.3509,  
0.3647

37.4485, 0.4961,  
0.4390

69.7328, 0.3327,  
0.3483

35.4334, 0.5070,  
0.4357

75.3893, 0.3164,  
0.3327

■ 81.4429, 0.3019,  
0.3180

■ 87.1136, 0.2956,  
0.3159

■ 92.3471, 0.2957,  
0.3246

■ 95.0736, 0.2958,  
0.3290

# Harmonies

## Analogous

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



50.8695, 0.4325, 0.3706



50.8695, 0.4146, 0.4126



50.8695, 0.3696, 0.4372

# Triad

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



50.8695, 0.4146, 0.4126



50.8695, 0.2195, 0.3208



50.8695, 0.3044, 0.2507

# Complementary

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



50.8695, 0.4146, 0.4126



31.5131, 0.2245, 0.2250

# 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.



50.8695, 0.2509, 0.2358



50.8695, 0.4146, 0.4126



50.8695, 0.2058, 0.2699

# Square

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



50.8695, 0.4146, 0.4126



50.8695, 0.2570, 0.3824



50.8695, 0.2168, 0.2414



50.8695, 0.3657, 0.2820



# Rectangle

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



50.8695, 0.4146, 0.4126



50.8695, 0.3314, 0.4357



50.8695, 0.2168, 0.2414



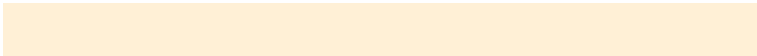
50.8695, 0.2849, 0.2437

# Sweetspot

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



50.8719, 0.4146, 0.4126



88.1934, 0.3392, 0.3543



29.3735, 0.4041, 0.2770



18.5722, 0.3429, 0.3576



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.



50.8719, 0.4146, 0.4126



60.7693, 0.4395, 0.4265



70.1947, 0.3780, 0.4602



15.8534, 0.3277, 0.3436



20.8930, 0.5053, 0.4370



1.7215, 0.4894, 0.4496

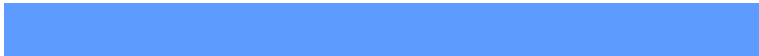


# Inverse Universe

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



31.5131, 0.2245, 0.2250



33.0943, 0.2066, 0.1985



20.3945, 0.2217, 0.1661



14.7759, 0.2981, 0.3140



7.3085, 0.1668, 0.1204



0.7145, 0.1749, 0.1496



# Previews

## White Background



This preview shows how the Yxy color 50.8695, 0.4146, 0.4126 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

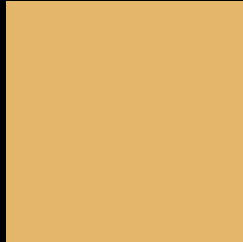
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.8695, 0.4146, 0.4126 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 50.8695, 0.4146, 0.4126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.8695, 0.4146, 0.4126.



This preview shows how white text looks on a background with the Yxy color 50.8695, 0.4146, 0.4126.

# 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

50.8695, 0.4146, 0.4126

### Protanopia

50.8083, 0.3900, 0.4234

### Deuteranopia

51.1194, 0.4188, 0.4102



## Tritanopia

50.9247, 0.3566, 0.3145

# Trichromacy



## Original Color

50.8695, 0.4146, 0.4126

## Protanomaly

50.5397, 0.3988, 0.4190

## Deuteranomaly

50.9535, 0.4179, 0.4106

## Tritanomaly

50.5082, 0.3785, 0.3498

# Monochromacy



## Original Color

50.8695, 0.4146, 0.4126

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.7231, 0.3494, 0.3629

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  50.8695, 0.4146, 0.4126 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(227, 182, 108)` looks like.

```
.text, #text, p{  
    color:rgb(227, 182, 108)  
}
```

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(227, 182, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 182, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 50.8695, 0.4146, 0.4126 is called "border". The border property can be set on classes, ids or directly on the HTML element.

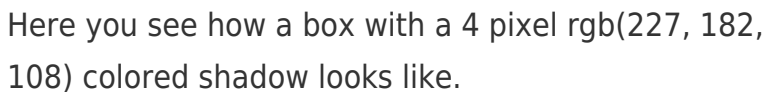
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 182, 108) }
```

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

```
.border{ border-color:rgb(227, 182, 108) }
```

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



Here you see how a box with a 4 pixel `rgb(227, 182, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 182, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 182, 108);  
box-shadow:4px 4px 4px 4px rgb(227, 182,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.8695, 0.4146, 0.4126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 182, 108) }
```

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

```
.background{ background-color: rgb(227,  
182, 108) }
```

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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