

# Converting Colors

Yxy(51.1201, 0.4216, 0.4100)

Have a look what the booklet for  
Yxy(51.1201, 0.4216, 0.4100)  
contains.

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# Color

**Yxy(51.0277, 0.4220, 0.4095)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9B46B
RGB	233, 180, 107
RGB Percent	91%, 71%, 42%
CMY	0.0862, 0.2941, 0.5803
CMYK	0.00, 0.23, 0.54, 0.09
HSL	35°, 74%, 67%
HSV	35°, 54%, 91%
XYZ	52.5853, 51.0277, 20.9967
YIQ	187.5250, 55.0210, -11.4670

# Conversions

## Conversions Part 2

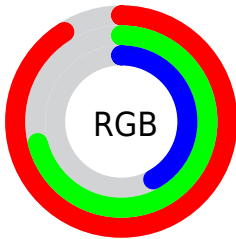
Format	Color
<b>RYB</b>	198, 233, 107
Decimal	15316075
CIELab	76.70, 10.92, 44.27
CIELCh	77, 45.599, 76.149
Yxy	51.0277, 0.4220, 0.4095
Android (android.graphics.Color)	4293506155 (0xFFE9B46B)
YUV	187.5250, -39.6988, 39.8816
Hunter-Lab	71.4337, 6.3924, 32.5763

# Details

The Yxy color **51.0277, 0.4220, 0.4095** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **34.1735, 0.2232, 0.2286**, and the grayscale version is **50.2154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7890, 0.3753, 0.4053**, and **24.4728, 0.4485, 0.4257** is the 20% darker color. If you saturate the color by 10%, you get **46.7833, 0.4464, 0.4209**, and if you desaturate by 10%, it is **55.6894, 0.3981, 0.3956**.

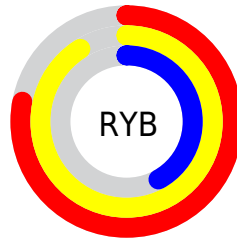
# Distribution



Red (91%)

Green (71%)

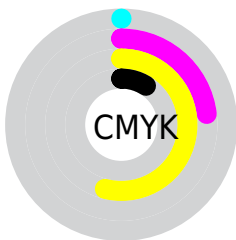
Blue (42%)



Red (78%)

Yellow (91%)

Blue (42%)

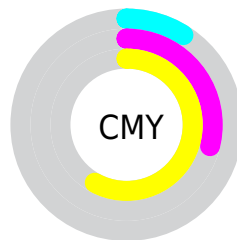


Cyan (0%)

Magenta (23%)

Yellow (54%)

Black (9%)



Cyan (9%)

Magenta (29%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.0277, 0.4220, 0.4095 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 51.0277, 0.4220, 0.4095 by changing the saturation by 10% instead.





 51.0277, 0.4220,  
0.4095


 51.0277, 0.4220,  
0.4095


390.6714, 0.3694,  
0.3729


 36.2307, 0.4340,  
0.4171


 91.6957, 0.4036,  
0.3973

 24.6124, 0.4486,  
0.4259


 118.3355, 0.3965,  
0.3923

 15.7885, 0.4665,  
0.4358


 149.6916, 0.3903,  
0.3880

 9.3746, 0.4883,  
0.4462

 186.1485, 0.3850,  
0.3843

 4.9863, 0.5244,  
0.4642

228.0905, 0.3804,  
0.3809

 2.2392, 0.5431,  
0.4569

275.9021, 0.3763,

 0.7413, 0.5688,

0.3779

0.4312

329.9676, 0.3726,  
0.3753

0.0000, 0.0000,  
0.0000

51.0277, 0.4220,  
0.4095

51.0277, 0.4220,  
0.4095

46.7833, 0.4464,  
0.4209

55.6894, 0.3981,  
0.3956

42.9321, 0.4701,  
0.4287

60.7761, 0.3755,  
0.3805

39.4581, 0.4917,  
0.4317

66.3047, 0.3546,  
0.3649

36.3397, 0.5100,  
0.4292

72.2883, 0.3358,  
0.3495

34.6406, 0.5195,  
0.4257

78.7397, 0.3190,  
0.3348

■ 85.6708, 0.3041,  
0.3209

■ 92.0787, 0.2993,  
0.3226

■ 96.0667, 0.2994,  
0.3290

# Harmonies

## Analogous

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



51.0277, 0.4359, 0.3650



51.0277, 0.4220, 0.4095



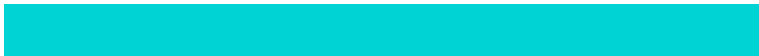
51.0277, 0.3785, 0.4387

# Triad

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



51.0277, 0.4220, 0.4095



51.0277, 0.2207, 0.3289



51.0277, 0.2957, 0.2454

# Complementary

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



51.0277, 0.4220, 0.4095



34.1735, 0.2232, 0.2286

# 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.



51.0277, 0.2430, 0.2328



51.0277, 0.4220, 0.4095



51.0277, 0.2033, 0.2739

# Square

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



51.0277, 0.4220, 0.4095



51.0277, 0.2622, 0.3923



51.0277, 0.2112, 0.2414



51.0277, 0.3589, 0.2755



# Rectangle

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



51.0277, 0.4220, 0.4095



51.0277, 0.3401, 0.4410



51.0277, 0.2112, 0.2414



51.0277, 0.2762, 0.2390

# Sweetspot

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



51.0302, 0.4220, 0.4095



87.1747, 0.3394, 0.3526



30.4448, 0.4004, 0.2687



18.3290, 0.3432, 0.3557



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.



51.0302, 0.4220, 0.4095



56.7847, 0.4494, 0.4221



75.2970, 0.3844, 0.4614



16.5031, 0.3278, 0.3426



19.9030, 0.5175, 0.4273



1.7525, 0.5002, 0.4410

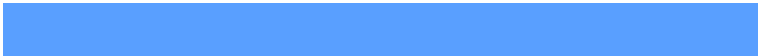


# Inverse Universe

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



34.1735, 0.2232, 0.2286



34.1553, 0.2058, 0.2032



20.0812, 0.2138, 0.1585



15.5908, 0.2980, 0.3150



8.5344, 0.1702, 0.1327



0.8567, 0.1777, 0.1599



# Previews

## White Background



This preview shows how the Yxy color 51.0277, 0.4220, 0.4095 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

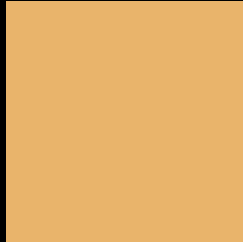
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.0277, 0.4220, 0.4095 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

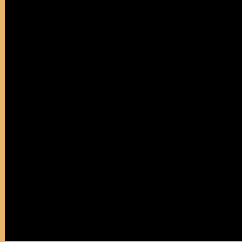
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.0277, 0.4220, 0.4095**

## Background



This preview shows how black text looks on a background with the Yxy color 51.0277, 0.4220, 0.4095.



This preview shows how white text looks on a background with the Yxy color 51.0277, 0.4220, 0.4095.

# 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

51.0277, 0.4220, 0.4095

### Protanopia

51.3845, 0.3904, 0.4242

### Deuteranopia

51.0982, 0.4196, 0.4112



## Tritanopia

51.1118, 0.3643, 0.3148

# Trichromacy



## Original Color

51.0277, 0.4220, 0.4095

## Protanomaly

50.9953, 0.4016, 0.4180

## Deuteranomaly

51.2651, 0.4205, 0.4109

## Tritanomaly

50.6769, 0.3866, 0.3495

# Monochromacy



## Original Color

51.0277, 0.4220, 0.4095

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.0385, 0.3504, 0.3614

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.0277, 0.4220, 0.4095 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(233, 180, 107)` looks like.

```
.text, #text, p{  
    color:rgb(233, 180, 107)  
}
```

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(233, 180, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 180, 107) }
```

## Border

The CSS property to change the border of an element to Yxy 51.0277, 0.4220, 0.4095 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(233, 180, 107) }
```

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

```
.border{ border-color:rgb(233, 180, 107) }
```

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

Here you see how a box with a 4 pixel rgb(233, 180, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 180, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 180, 107);  
box-shadow:4px 4px 4px 4px rgb(233, 180,  
107) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.0277, 0.4220, 0.4095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 180, 107) }
```

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

```
.background{ background-color: rgb(233,  
180, 107) }
```

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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