

# Converting Colors

$Y_{xy}(45.0895, 0.4266, 0.3854)$

Have a look what the booklet for  
Yxy(45.0895, 0.4266, 0.3854)  
contains.

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# Color

**Yxy(45.0895, 0.4266, 0.3854)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E9A472
RGB	233, 164, 114
RGB Percent	91%, 64%, 45%
CMY	0.0864, 0.3568, 0.5529
CMYK	0.00, 0.30, 0.51, 0.09
HSL	25°, 73%, 68%
HSV	25°, 51%, 91%
XYZ	49.9097, 45.0895, 21.9949
YIQ	178.9310, 57.1740, -0.9220

# Conversions

## Conversions Part 2

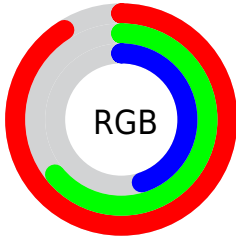
Format	Color
R <sub>Y</sub> B	233, 200, 114
Decimal	15311986
CIE Lab	72.95, 19.98, 36.01
CIE LCh	73, 41.182, 60.984
Yxy	45.0895, 0.4266, 0.3854
Android (android.graphics.Color)	4293502066 (0xFFE9A472)
YUV	178.9310, -32.0110, 47.4185
Hunter-Lab	67.1487, 15.1635, 27.5834

# Details

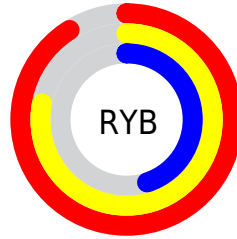
The Yxy color **45.0895, 0.4266, 0.3854** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.3088, 0.2334, 0.2620**, and the grayscale version is **45.1929, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7131, 0.3765, 0.3824**, and **20.9687, 0.4571, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **40.0470, 0.4572, 0.3941**, and if you desaturate by 10%, it is **50.7847, 0.3983, 0.3748**.

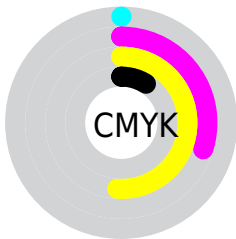
# Distribution



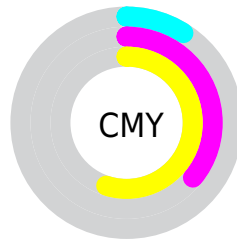
- Red (91%)
- Green (64%)
- Blue (45%)



- Red (91%)
- Yellow (78%)
- Blue (45%)



- Cyan (0%)
- Magenta (30%)
- Yellow (51%)
- Black (9%)




- Cyan (9%)
- Magenta (36%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0895, 0.4266, 0.3854 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 45.0895, 0.4266, 0.3854 by changing the saturation by 10% instead.




 45.0895, 0.4266,  
0.3854

 45.0895, 0.4266,  
0.3854


367.1359, 0.3696,  
0.3602


 31.5279, 0.4404,  
0.3905

 82.8547, 0.4061,  
0.3771

 21.0012, 0.4577,  
0.3962


 107.8271, 0.3983,  
0.3737

 13.1249, 0.4798,  
0.4023


 137.3719, 0.3917,  
0.3707

 7.5146, 0.5085,  
0.4078

 171.8736, 0.3860,  
0.3681

 3.7859, 0.5555,  
0.4171

211.7164, 0.3811,  
0.3658

 1.5546, 0.5974,  
0.4026

257.2848, 0.3768,

 0.3267, 0.7096,

0.3637

0.2904

308.9632, 0.3730,  
0.3618

0.0000, 0.0000,  
0.0000

45.0895, 0.4266,  
0.3854

45.0895, 0.4266,  
0.3854

40.0470, 0.4572,  
0.3941

50.7847, 0.3983,  
0.3748

35.6242, 0.4887,  
0.3996

57.1505, 0.3728,  
0.3634

31.7944, 0.5192,  
0.4007

64.2123, 0.3505,  
0.3519

28.5257, 0.5462,  
0.3964

71.9920, 0.3311,  
0.3407

26.0425, 0.5663,  
0.3886

80.5105, 0.3143,  
0.3301

■ 89.7877, 0.3000,  
0.3202

■ 96.0582, 0.2993,  
0.3290

# Harmonies

## Analogous

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



45.0895, 0.4218, 0.3407



45.0895, 0.4266, 0.3854



45.0895, 0.3986, 0.4217

# Triad

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



45.0895, 0.4266, 0.3854



45.0895, 0.2432, 0.3597



45.0895, 0.2695, 0.2413

# Complementary

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



45.0895, 0.4266, 0.3854



43.3088, 0.2334, 0.2620

# 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.



45.0895, 0.2287, 0.2393



45.0895, 0.4266, 0.3854



45.0895, 0.2145, 0.3015

# Square

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



45.0895, 0.4266, 0.3854



45.0895, 0.2917, 0.4126



45.0895, 0.2097, 0.2591



45.0895, 0.3260, 0.2620



# Rectangle

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



45.0895, 0.4266, 0.3854



45.0895, 0.3669, 0.4342



45.0895, 0.2097, 0.2591



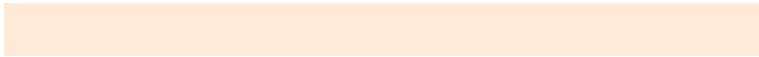
45.0895, 0.2538, 0.2384

# Sweetspot

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



45.0917, 0.4266, 0.3854



84.4387, 0.3385, 0.3451



32.7909, 0.3713, 0.2526



17.6406, 0.3426, 0.3475



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.



45.0917, 0.4266, 0.3854



49.0236, 0.4579, 0.3943



71.3378, 0.3921, 0.4438



16.0948, 0.3282, 0.3389



15.0145, 0.5636, 0.3907



1.3655, 0.5390, 0.4102



# Inverse Universe

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



43.3088, 0.2334, 0.2620



46.5545, 0.2193, 0.2456



23.8557, 0.2171, 0.1796



15.9992, 0.2981, 0.3189



13.4283, 0.1848, 0.1854



1.2441, 0.1909, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 45.0895, 0.4266, 0.3854 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 45.0895, 0.4266, 0.3854 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

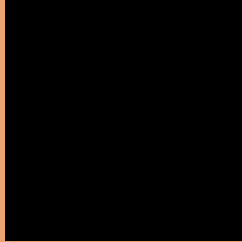
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.0895, 0.4266, 0.3854**

## Background



This preview shows how black text looks on a background with the Yxy color 45.0895, 0.4266, 0.3854.



This preview shows how white text looks on a background with the Yxy color 45.0895, 0.4266, 0.3854.

# 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

45.0895, 0.4266, 0.3854

### Protanopia

45.1984, 0.3768, 0.4054

### Deuteranopia

45.0474, 0.4089, 0.3996



## Tritanopia

45.1557, 0.3809, 0.3157

# Trichromacy



## Original Color

45.0895, 0.4266, 0.3854

## Protanomaly

45.1354, 0.3944, 0.3983

## Deuteranomaly

44.8855, 0.4156, 0.3934

## Tritanomaly

45.1444, 0.3981, 0.3417

# Monochromacy



## Original Color

45.0895, 0.4266, 0.3854

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

44.7808, 0.3521, 0.3535

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0895, 0.4266, 0.3854 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, 164, 114)` looks like.

```
.text, #text, p{  
    color:rgb(233, 164, 114)  
}
```

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, 164, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 164, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0895, 0.4266, 0.3854 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, 164, 114) }
```

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

```
.border{ border-color:rgb(233, 164, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 164, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 164, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 164, 114);  
box-shadow:4px 4px 4px 4px rgb(233, 164,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0895, 0.4266, 0.3854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 164, 114) }
```

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

```
.background{ background-color: rgb(233,  
164, 114) }
```

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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