

Converting Colors

$Y_{xy}(46.3954, 0.4270, 0.3811)$

Have a look what the booklet for
Yxy(46.3954, 0.4270, 0.3811)
contains.

Yxy(46.3954, 0.4270, 0.3811)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(46.3954, 0.4270, 0.3811)

Conversions

Conversions Part 1

Format	Color
Hex	EEA576
RGB	238, 165, 118
RGB Percent	93%, 65%, 46%
CMY	0.0667, 0.3529, 0.5372
CMYK	0.00, 0.31, 0.50, 0.07
HSL	23°, 78%, 70%
HSV	23°, 50%, 93%
XYZ	51.9833, 46.3954, 23.3621
YIQ	181.4690, 58.5950, 0.8590

Conversions

Conversions Part 2

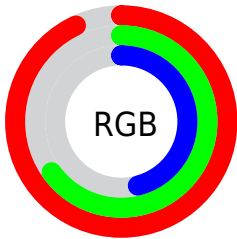
Format	Color
R_{YB}	238, 195, 118
Decimal	15639926
CIE _{Lab}	73.80, 21.82, 35.10
CIE _{LCh}	74, 41.327, 58.130
Yxy	46.3954, 0.4270, 0.3811
Android (android.graphics.Color)	4293830006 (0xFFEEA576)
YUV	181.4690, -31.2902, 49.5777
Hunter-Lab	68.1142, 17.0276, 27.3444

Details

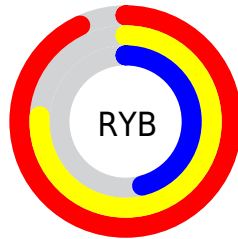
The Yxy color **46.3954, 0.4270, 0.3811** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **47.2883, 0.2351, 0.2677**, and the grayscale version is **46.6269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3867, 0.3733, 0.3793**, and **21.8236, 0.4575, 0.3905** is the 20% darker color. If you saturate the color by 10%, you get **40.9704, 0.4587, 0.3892**, and if you desaturate by 10%, it is **52.5589, 0.3979, 0.3712**.

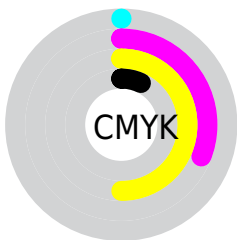
Distribution



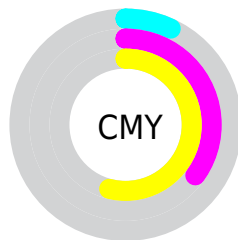
- Red (93%)
- Green (65%)
- Blue (46%)



- Red (93%)
- Yellow (76%)
- Blue (46%)



- Cyan (0%)
- Magenta (31%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (35%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.3954, 0.4270, 0.3811 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 46.3954, 0.4270, 0.3811 by changing the saturation by 10% instead.


 46.3954, 0.4270,
0.3811


 46.3954, 0.4270,
0.3811


372.3960, 0.3700,
0.3581


 32.5580, 0.4408,
0.3856


 84.8104, 0.4065,
0.3736

 21.7880, 0.4581,
0.3907


 110.1568, 0.3987,
0.3705

 13.7012, 0.4803,
0.3960


 140.1083, 0.3921,
0.3678

 7.9132, 0.5092,
0.4007

175.0493, 0.3864,
0.3654

 4.0394, 0.5524,
0.4058

215.3641, 0.3815,
0.3633

 1.6956, 0.6035,
0.3965

261.4373, 0.3772,

 0.4208, 0.6898,

0.3614

0.3102

313.6531, 0.3733,
0.3597

■ 0.0000, 0.0000,
0.0000

■ 46.3954, 0.4270,
0.3811

■ 46.3954, 0.4270,
0.3811

■ 40.9704, 0.4587,
0.3892

■ 52.5589, 0.3979,
0.3712

■ 36.2465, 0.4916,
0.3944

■ 59.4827, 0.3720,
0.3605

■ 32.1929, 0.5237,
0.3951

■ 67.1957, 0.3495,
0.3497

■ 28.7725, 0.5522,
0.3906

■ 75.7234, 0.3300,
0.3392

■ 26.0411, 0.5747,
0.3819

■ 85.0900, 0.3133,
0.3294

■ 94.9381, 0.3024,
0.3259

■ 96.9151, 0.3023,
0.3290

Harmonies

Analogous

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



46.3954, 0.4189, 0.3364



46.3954, 0.4270, 0.3811



46.3954, 0.4019, 0.4185

Triad

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



46.3954, 0.4270, 0.3811



46.3954, 0.2474, 0.3652



46.3954, 0.2651, 0.2407

Complementary

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



46.3954, 0.4270, 0.3811



47.2883, 0.2351, 0.2677

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.



46.3954, 0.2264, 0.2407



46.3954, 0.4270, 0.3811



46.3954, 0.2167, 0.3067

Square

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



46.3954, 0.4270, 0.3811



46.3954, 0.2972, 0.4158



46.3954, 0.2097, 0.2626



46.3954, 0.3203, 0.2597

Rectangle

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



46.3954, 0.4270, 0.3811



46.3954, 0.3716, 0.4326



46.3954, 0.2097, 0.2626



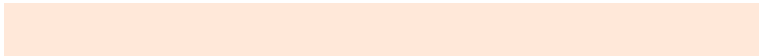
46.3954, 0.2500, 0.2384

Sweetspot

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



46.3977, 0.4270, 0.3811



83.8188, 0.3387, 0.3440



34.9436, 0.3658, 0.2494



17.4920, 0.3428, 0.3463



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.



46.3977, 0.4270, 0.3811



48.0335, 0.4581, 0.3891



72.7910, 0.3933, 0.4392



16.7743, 0.3283, 0.3383



14.7641, 0.5719, 0.3841



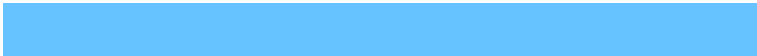
1.4164, 0.5476, 0.4034

Inverse Universe

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



47.2883, 0.2351, 0.2677



49.1086, 0.2220, 0.2532



26.5337, 0.2194, 0.1868



16.8292, 0.2980, 0.3195



14.9640, 0.1876, 0.1954



1.4379, 0.1930, 0.2148

Previews

White Background



This preview shows how the Yxy color 46.3954, 0.4270, 0.3811 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 46.3954, 0.4270, 0.3811 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

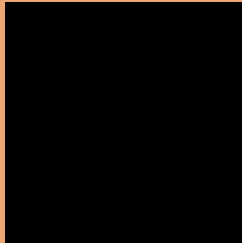
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.3954, 0.4270, 0.3811

Background



This preview shows how black text looks on a background with the Yxy color 46.3954, 0.4270, 0.3811.



This preview shows how white text looks on a background with the Yxy color 46.3954, 0.4270, 0.3811.

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

46.3954, 0.4270, 0.3811

Protanopia

46.8069, 0.3733, 0.4021

Deuteranopia

46.5931, 0.4056, 0.3979



Tritanopia

46.2332, 0.3834, 0.3159

Trichromacy



Original Color

46.3954, 0.4270, 0.3811

Protanomaly

46.4529, 0.3928, 0.3951

Deuteranomaly

46.5789, 0.4131, 0.3916

Tritanomaly

46.4249, 0.4004, 0.3404

Monochromacy



Original Color

46.3954, 0.4270, 0.3811

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6851, 0.3520, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.3954, 0.4270, 0.3811 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(238, 165, 118)` looks like.

```
.text, #text, p{  
    color:rgb(238, 165, 118)  
}
```

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(238, 165, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 165, 118) }
```

Border

The CSS property to change the border of an element to Yxy 46.3954, 0.4270, 0.3811 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(238, 165, 118) }
```

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

```
.border{ border-color:rgb(238, 165, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 165, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 165, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 165, 118);  
box-shadow:4px 4px 4px 4px rgb(238, 165,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 46.3954, 0.4270, 0.3811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 165, 118) }
```

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

```
.background{ background-color: rgb(238,  
165, 118) }
```

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