

Converting Colors

$Y_{xy}(41.9403, 0.4200, 0.3778)$

Have a look what the booklet for
Yxy(41.9403, 0.4200, 0.3778)
contains.

Yxy(41.7456, 0.4201, 0.3772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.7456, 0.4201, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	E19E75
RGB	225, 158, 117
RGB Percent	88%, 62%, 46%
CMY	0.1176, 0.3804, 0.5412
CMYK	0.00, 0.30, 0.48, 0.12
HSL	23°, 64%, 67%
HSV	23°, 48%, 88%
XYZ	46.4934, 41.7456, 22.4333
YIQ	173.3590, 53.0930, 1.4530

Conversions

Conversions Part 2

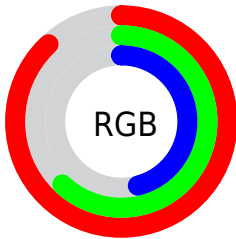
Format	Color
R _Y B	225, 183, 117
Decimal	14786165
CIE Lab	70.70, 20.28, 31.35
CIE LCh	71, 37.335, 57.106
Yxy	41.7456, 0.4201, 0.3772
Android (android.graphics.Color)	4292976245 (0xFFE19E75)
YUV	173.3590, -27.7850, 45.2892
Hunter-Lab	64.6108, 15.3782, 24.6417

Details

The Yxy color **41.7456, 0.4201, 0.3772** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **43.5055, 0.2391, 0.2732**, and the grayscale version is **42.1073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7508, 0.3763, 0.3735**, and **18.9409, 0.4514, 0.3863** is the 20% darker color. If you saturate the color by 10%, you get **36.7853, 0.4516, 0.3856**, and if you desaturate by 10%, it is **47.3783, 0.3915, 0.3673**.

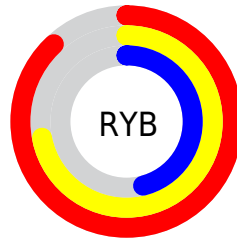
Distribution



Red (88%)

Green (62%)

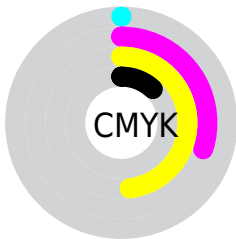
Blue (46%)



Red (88%)

Yellow (72%)

Blue (46%)

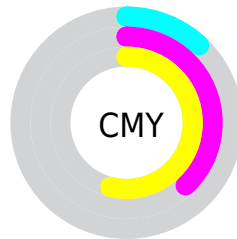


Cyan (0%)

Magenta (30%)

Yellow (48%)

Black (12%)



Cyan (12%)


Magenta (38%)


Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.7456, 0.4201, 0.3772 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 41.7456, 0.4201, 0.3772 by changing the saturation by 10% instead.


 41.7456, 0.4201,
0.3772


 41.7456, 0.4201,
0.3772


353.4273, 0.3654,
0.3553

 28.9021, 0.4337,
0.3817


 77.8145, 0.4002,
0.3699

 19.0068, 0.4511,
0.3868


 101.8086, 0.3927,
0.3670

 11.6752, 0.4737,
0.3924


 130.2885, 0.3864,
0.3644

 6.5229, 0.5039,
0.3975

163.6385, 0.3809,
0.3621

 3.1656, 0.5547,
0.4064

202.2430, 0.3763,
0.3601

 1.2188, 0.6073,
0.3927

246.4863, 0.3722,

 0.0770, 0.8807,

0.3583

0.1193

296.7530, 0.3686,
0.3567

0.0000, 0.0000,
0.0000

41.7456, 0.4201,
0.3772

41.7456, 0.4201,
0.3772

36.7853, 0.4516,
0.3856

47.3783, 0.3915,
0.3673

32.4639, 0.4848,
0.3913

53.7026, 0.3663,
0.3569

28.7540, 0.5179,
0.3931

60.7449, 0.3445,
0.3465

25.6230, 0.5480,
0.3898

68.5277, 0.3257,
0.3366

23.0320, 0.5729,
0.3815

77.0729, 0.3097,
0.3272

■ 22.5733, 0.5775,
0.3796

■ 86.4013, 0.2961,
0.3185

■ 94.7509, 0.2946,
0.3289

Harmonies

Analogous

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



41.7456, 0.4111, 0.3350



41.7456, 0.4201, 0.3772



41.7456, 0.3979, 0.4123

Triad

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



41.7456, 0.4201, 0.3772



41.7456, 0.2529, 0.3648



41.7456, 0.2666, 0.2454

Complementary

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



41.7456, 0.4201, 0.3772



43.5055, 0.2391, 0.2732

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.



41.7456, 0.2306, 0.2463



41.7456, 0.4201, 0.3772



41.7456, 0.2230, 0.3102

Square

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



41.7456, 0.4201, 0.3772



41.7456, 0.3002, 0.4109



41.7456, 0.2155, 0.2680



41.7456, 0.3181, 0.2628

Rectangle

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



41.7456, 0.4201, 0.3772



41.7456, 0.3699, 0.4256



41.7456, 0.2155, 0.2680



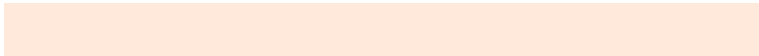
41.7456, 0.2525, 0.2435

Sweetspot

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



41.7476, 0.4201, 0.3772



84.5839, 0.3368, 0.3426



32.2513, 0.3600, 0.2512



17.6340, 0.3410, 0.3448



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.



41.7476, 0.4201, 0.3772



48.6035, 0.4529, 0.3859



63.6934, 0.3903, 0.4325



14.5490, 0.3283, 0.3379



13.2134, 0.5747, 0.3819



1.0848, 0.5459, 0.4048

Inverse Universe

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



43.5055, 0.2391, 0.2732



51.1343, 0.2251, 0.2585



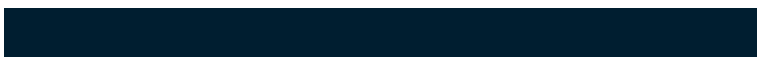
25.5573, 0.2250, 0.1977



14.6526, 0.2981, 0.3199



14.1045, 0.1889, 0.2001



1.1487, 0.1950, 0.2221

Previews

White Background



This preview shows how the Yxy color 41.7456, 0.4201, 0.3772 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 41.7456, 0.4201, 0.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

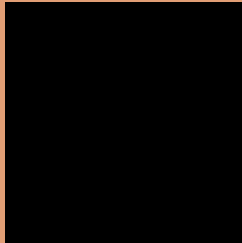
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.7456, 0.4201, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 41.7456, 0.4201, 0.3772.



This preview shows how white text looks on a background with the Yxy color 41.7456, 0.4201, 0.3772.

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

41.7456, 0.4201, 0.3772

Protanopia

41.8820, 0.3692, 0.3964

Deuteranopia

41.9201, 0.4005, 0.3928



Tritanopia

41.7588, 0.3800, 0.3164

Trichromacy



Original Color

41.7456, 0.4201, 0.3772

Protanomaly

41.8032, 0.3871, 0.3895

Deuteranomaly

41.7515, 0.4072, 0.3866

Tritanomaly

41.6805, 0.3960, 0.3386

Monochromacy



Original Color

41.7456, 0.4201, 0.3772

Achromatopsia

41.7885, 0.3127, 0.3290

Achromatomaly

41.5116, 0.3488, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.7456, 0.4201, 0.3772 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(225, 158, 117)` looks like.

```
.text, #text, p{  
    color:rgb(225, 158, 117)  
}
```

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(225, 158, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 158, 117) }
```

Border

The CSS property to change the border of an element to Yxy 41.7456, 0.4201, 0.3772 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(225, 158, 117) }
```

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

```
.border{ border-color:rgb(225, 158, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 158, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 158, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 158, 117);  
box-shadow:4px 4px 4px 4px rgb(225, 158,  
117) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 41.7456, 0.4201, 0.3772$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 158, 117) }
```

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

```
.background{ background-color: rgb(225,  
158, 117) }
```

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