

Converting Colors

$Y_{xy}(44.2775, 0.4163, 0.3607)$

Have a look what the booklet for
Yxy(44.2775, 0.4163, 0.3607)
contains.

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Color

Yxy(44.2678, 0.4164, 0.3608)

Conversions

Conversions Part 1

Format	Color
Hex	EC9F83
RGB	236, 159, 131
RGB Percent	93%, 62%, 51%
CMY	0.0745, 0.3765, 0.4861
CMYK	0.00, 0.33, 0.44, 0.07
HSL	16°, 73%, 72%
HSV	16°, 44%, 93%
XYZ	51.0896, 44.2678, 27.3361
YIQ	178.8310, 54.8800, 7.6160

Conversions

Conversions Part 2

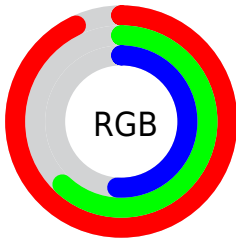
Format	Color
R _Y B	236, 169, 131
Decimal	15507331
CIE Lab	72.41, 25.47, 26.26
CIE LCh	72, 36.582, 45.868
Yxy	44.2678, 0.4164, 0.3608
Android (android.graphics.Color)	4293697411 (0xFFEC9F83)
YUV	178.8310, -23.5807, 50.1372
Hunter-Lab	66.5341, 20.6304, 22.2140

Details

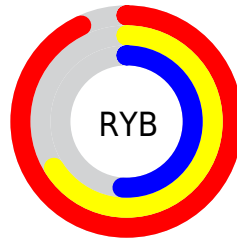
The Yxy color **44.2678, 0.4164, 0.3608** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **56.0133, 0.2467, 0.2936**, and the grayscale version is **45.0931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8138, 0.3656, 0.3600**, and **20.4566, 0.4462, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **38.1579, 0.4510, 0.3670**, and if you desaturate by 10%, it is **51.3617, 0.3860, 0.3536**.

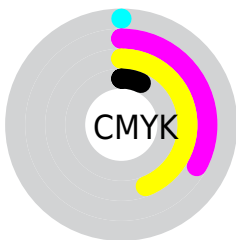
Distribution



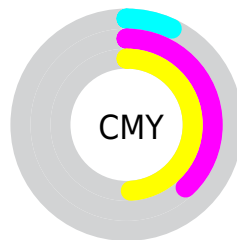
- Red (93%)
- Green (62%)
- Blue (51%)



- Red (93%)
- Yellow (66%)
- Blue (51%)



- Cyan (0%)
- Magenta (33%)
- Yellow (44%)
- Black (7%)




- Cyan (7%)
- Magenta (38%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2678, 0.4164, 0.3608 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 44.2678, 0.4164, 0.3608 by changing the saturation by 10% instead.


 44.2678, 0.4164,
0.3608


 44.2678, 0.4164,
0.3608


363.8000, 0.3638,
0.3471

 30.8811, 0.4296,
0.3634


 81.6206, 0.3972,
0.3564

 20.5083, 0.4464,
0.3663


 106.3554, 0.3900,
0.3546

 12.7651, 0.4685,
0.3691


 135.6418, 0.3839,
0.3529

 7.2670, 0.4986,
0.3713

169.8640, 0.3787,
0.3515

 3.6296, 0.5411,
0.3706

209.4066, 0.3742,
0.3502

 1.4686, 0.6263,
0.3737

254.6538, 0.3703,

 0.2665, 0.7667,

0.3491

0.2333

305.9902, 0.3668,
0.3480

0.0000, 0.0000,
0.0000

44.2678, 0.4164,
0.3608

44.2678, 0.4164,
0.3608

38.1579, 0.4510,
0.3670

51.3617, 0.3860,
0.3536

32.9810, 0.4889,
0.3712

59.4747, 0.3601,
0.3462

28.6911, 0.5278,
0.3723

68.6480, 0.3382,
0.3389

25.2354, 0.5641,
0.3692

78.9185, 0.3199,
0.3319

22.5545, 0.5936,
0.3617

90.3214, 0.3046,
0.3255

■ 21.3752, 0.6066,
0.3566

■ 96.5734, 0.3011,
0.3290

Harmonies

Analogous

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



44.2678, 0.3962, 0.3198



44.2678, 0.4164, 0.3608



44.2678, 0.4058, 0.3983

Triad

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



44.2678, 0.4164, 0.3608



44.2678, 0.2709, 0.3821



44.2678, 0.2532, 0.2464

Complementary

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



44.2678, 0.4164, 0.3608



56.0133, 0.2467, 0.2936

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.



44.2678, 0.2255, 0.2548



44.2678, 0.4164, 0.3608



44.2678, 0.2347, 0.3302

Square

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



44.2678, 0.4164, 0.3608



44.2678, 0.3202, 0.4173



44.2678, 0.2190, 0.2836



44.2678, 0.2983, 0.2569

Rectangle

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



44.2678, 0.4164, 0.3608



44.2678, 0.3840, 0.4161



44.2678, 0.2190, 0.2836



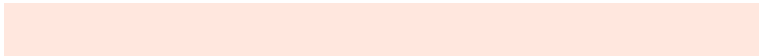
44.2678, 0.2418, 0.2470

Sweetspot

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



44.2700, 0.4164, 0.3608



83.5001, 0.3354, 0.3379



38.7164, 0.3428, 0.2443



17.3210, 0.3398, 0.3394



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.



44.2700, 0.4164, 0.3608



46.3422, 0.4465, 0.3663



65.4483, 0.3904, 0.4142



15.7068, 0.3286, 0.3353



11.9633, 0.6038, 0.3588



1.0932, 0.5767, 0.3803

Inverse Universe

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



56.0133, 0.2467, 0.2936



61.8605, 0.2357, 0.2853



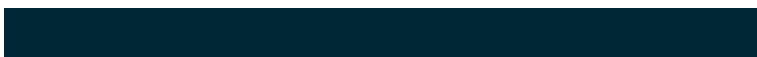
35.0918, 0.2348, 0.2251



16.4034, 0.2981, 0.3226



20.0616, 0.2001, 0.2402



1.7318, 0.2039, 0.2540

Previews

White Background



This preview shows how the Yxy color 44.2678, 0.4164, 0.3608 looks on a white background.

Color Contrast Check

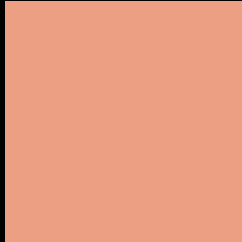
Large Text (above 18pt) WCAG AA × Fail

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 44.2678, 0.4164, 0.3608 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 44.2678, 0.4164, 0.3608

Background



This preview shows how black text looks on a background with the Yxy color 44.2678, 0.4164, 0.3608.



This preview shows how white text looks on a background with the Yxy color 44.2678, 0.4164, 0.3608.

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

44.2678, 0.4164, 0.3608

Protanopia

44.6520, 0.3565, 0.3806

Deuteranopia

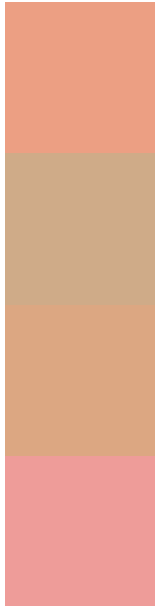
44.5597, 0.3882, 0.3811



Tritanopia

44.2151, 0.3859, 0.3158

Trichromacy



Original Color

44.2678, 0.4164, 0.3608

Protanomaly

44.1688, 0.3780, 0.3731

Deuteranomaly

44.4648, 0.3979, 0.3735

Tritanomaly

44.2540, 0.3976, 0.3326

Monochromacy



Original Color

44.2678, 0.4164, 0.3608

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

44.3930, 0.3472, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2678, 0.4164, 0.3608 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(236, 159, 131)` looks like.

```
.text, #text, p{  
    color:rgb(236, 159, 131)  
}
```

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(236, 159, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 159, 131) }
```

Border

The CSS property to change the border of an element to Yxy 44.2678, 0.4164, 0.3608 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(236, 159, 131) }
```

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

```
.border{ border-color:rgb(236, 159, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 159, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 159, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 159, 131);  
box-shadow:4px 4px 4px 4px rgb(236, 159,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2678, 0.4164, 0.3608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 159, 131) }
```

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

```
.background{ background-color: rgb(236,  
159, 131) }
```

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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