

Converting Colors

$Y_{xy}(68.1218, 0.3527, 0.3708)$

Have a look what the booklet for
Yxy(68.1218, 0.3527, 0.3708)
contains.

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Color

Yxy(68.2166, 0.3526, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	E7D6B0
RGB	231, 214, 176
RGB Percent	91%, 84%, 69%
CMY	0.0942, 0.1607, 0.3098
CMYK	0.00, 0.07, 0.24, 0.09
HSL	41°, 53%, 80%
HSV	41°, 24%, 91%
XYZ	64.8334, 68.2166, 50.8223
YIQ	214.7510, 22.3300, -8.2140

Conversions

Conversions Part 2

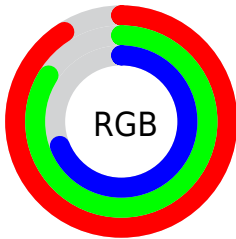
Format	Color
RYB	201, 231, 176
Decimal	15193776
CIELab	86.11, -0.01, 20.92
CIElCh	86, 20.918, 90.028
Yxy	68.2166, 0.3526, 0.3710
Android (android.graphics.Color)	4293383856 (0xFFE7D6B0)
YUV	214.7510, -19.1042, 14.2504
Hunter-Lab	82.5933, -4.4211, 21.3323

Details

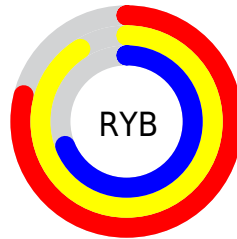
The Yxy color **68.2166, 0.3526, 0.3710** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.1242, 0.2739, 0.2831**, and the grayscale version is **67.8984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **35.3403, 0.3627, 0.3809** is the 20% darker color. If you saturate the color by 10%, you get **63.8515, 0.3717, 0.3893**, and if you desaturate by 10%, it is **72.9013, 0.3348, 0.3529**.

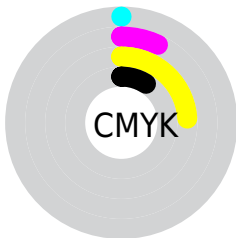
Distribution



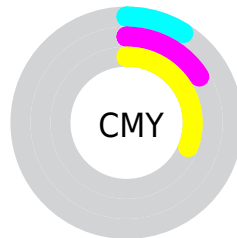
- Red (91%)
- Green (84%)
- Blue (69%)



- Red (79%)
- Yellow (91%)
- Blue (69%)



- Cyan (0%)
- Magenta (7%)
- Yellow (24%)
- Black (9%)





- Cyan (9%)
- Magenta (16%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.2166, 0.3526, 0.3710 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 68.2166, 0.3526, 0.3710 by changing the saturation by 10% instead.


 68.2166, 0.3526,
0.3710

 68.2166, 0.3526,
0.3710


454.2631, 0.3340,
0.3514

 50.0740, 0.3569,
0.3755


 116.6620, 0.3461,
0.3642

 35.4722, 0.3621,
0.3810


147.7335, 0.3436,
0.3615

 24.0268, 0.3688,
0.3881


183.8834, 0.3414,
0.3593

 15.3535, 0.3775,
0.3972

225.4961, 0.3396,
0.3573

 9.0679, 0.3892,
0.4095

272.9561, 0.3379,
0.3555

 4.7855, 0.4056,
0.4268

326.6476, 0.3365,

 2.1220, 0.4366,

0.3540

0.4595

386.9551, 0.3352,
0.3526

0.6769, 0.4872,
0.5128

0.0000, 0.0000,
0.0000

68.2166, 0.3526,
0.3710

68.2166, 0.3526,
0.3710

63.8515, 0.3717,
0.3893

72.9013, 0.3348,
0.3529

59.7870, 0.3918,
0.4070

77.9058, 0.3185,
0.3354

56.0156, 0.4123,
0.4232

83.2418, 0.3038,
0.3189

52.5257, 0.4324,
0.4369

88.0250, 0.2981,
0.3165

■ 49.3046, 0.4512,
0.4469

■ 92.3642, 0.2981,
0.3236

■ 46.3379, 0.4676,
0.4523

■ 95.7260, 0.2981,
0.3290

■ 43.6085, 0.4809,
0.4527

■ 42.0210, 0.4878,
0.4509

Harmonies

Analogous

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



68.2166, 0.3635, 0.3564



68.2166, 0.3526, 0.3710



68.2166, 0.3311, 0.3745

Triad

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



68.2166, 0.3526, 0.3710



68.2166, 0.2675, 0.3192



68.2166, 0.3186, 0.2970

Complementary

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



68.2166, 0.3526, 0.3710



53.1242, 0.2739, 0.2831

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.



68.2166, 0.2930, 0.2873



68.2166, 0.3526, 0.3710



68.2166, 0.2644, 0.2989

Square

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



68.2166, 0.3526, 0.3710



68.2166, 0.2822, 0.3436



68.2166, 0.2735, 0.2877



68.2166, 0.3434, 0.3143

Rectangle

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



68.2166, 0.3526, 0.3710



68.2166, 0.3140, 0.3692



68.2166, 0.2735, 0.2877



68.2166, 0.3098, 0.2928

Sweetspot

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



68.2197, 0.3526, 0.3710



95.4384, 0.3236, 0.3410



51.9044, 0.3467, 0.3095



20.3456, 0.3246, 0.3420



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.



68.2197, 0.3526, 0.3710



82.4107, 0.3627, 0.3808



75.6332, 0.3412, 0.3898



16.0271, 0.3275, 0.3452



23.7916, 0.4865, 0.4519



1.9212, 0.4743, 0.4616

Inverse Universe

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



53.1242, 0.2739, 0.2831



60.1756, 0.2643, 0.2711



47.2673, 0.2797, 0.2633



14.6091, 0.2981, 0.3123



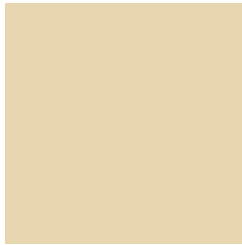
5.9756, 0.1617, 0.1022



0.6020, 0.1698, 0.1312

Previews

White Background



This preview shows how the Yxy color 68.2166, 0.3526, 0.3710 looks on a white background.

Color Contrast Check

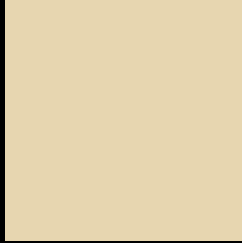
Large Text (above 18pt) WCAG AA × Fail

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 68.2166, 0.3526, 0.3710 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

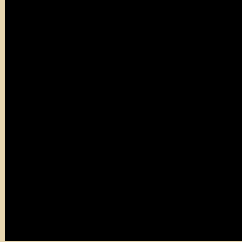
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

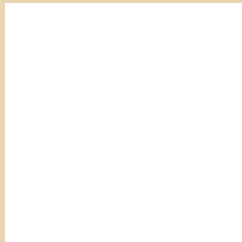
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.2166, 0.3526, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 68.2166, 0.3526, 0.3710.

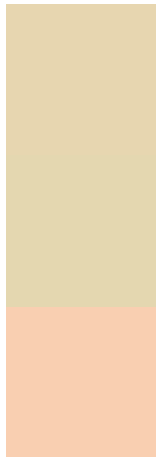


This preview shows how white text looks on a background with the Yxy color 68.2166, 0.3526, 0.3710.

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

68.2166, 0.3526, 0.3710

Protanopia

68.2294, 0.3500, 0.3724

Deuteranopia

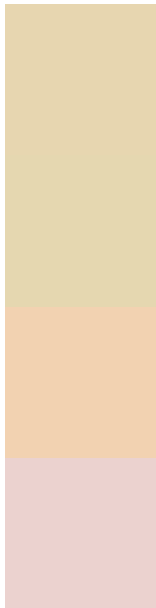
67.9397, 0.3681, 0.3608



Tritanopia

68.0120, 0.3233, 0.3111

Trichromacy



Original Color

68.2166, 0.3526, 0.3710

Protanomaly

68.3935, 0.3508, 0.3723

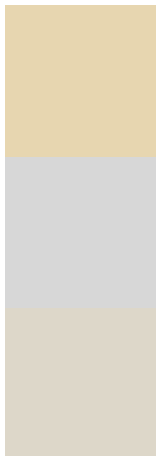
Deuteranomaly

68.1448, 0.3616, 0.3645

Tritanomaly

68.2603, 0.3338, 0.3323

Monochromacy



Original Color

68.2166, 0.3526, 0.3710

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.1901, 0.3268, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2166, 0.3526, 0.3710 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(231, 214, 176)` looks like.

```
.text, #text, p{  
    color:rgb(231, 214, 176)  
}
```

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(231, 214, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 214, 176) }
```

Border

The CSS property to change the border of an element to Yxy 68.2166, 0.3526, 0.3710 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(231, 214, 176) }
```

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

```
.border{ border-color:rgb(231, 214, 176) }
```

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

Here you see how a box with a 4 pixel rgb(231, 214, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 214, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 214, 176);  
box-shadow:4px 4px 4px 4px rgb(231, 214,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2166, 0.3526, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 214, 176) }
```

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

```
.background{ background-color: rgb(231,  
214, 176) }
```

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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