

Converting Colors

$Y_{xy}(68.7352, 0.3560, 0.3764)$

Have a look what the booklet for
Yxy(68.7352, 0.3560, 0.3764)
contains.

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Color

Yxy(68.7352, 0.3560, 0.3764)

Conversions

Conversions Part 1

Format	Color
Hex	E8D7AC
RGB	232, 215, 172
RGB Percent	91%, 84%, 67%
CMY	0.0904, 0.1568, 0.3255
CMYK	0.00, 0.07, 0.26, 0.09
HSL	43°, 57%, 79%
HSV	43°, 26%, 91%
XYZ	65.0099, 68.7352, 48.8670
YIQ	215.1810, 23.9350, -9.7690

Conversions

Conversions Part 2

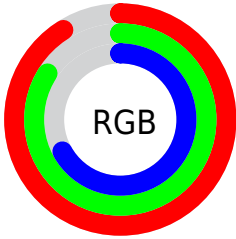
Format	Color
RYB	196, 232, 172
Decimal	15259564
CIELab	86.37, -0.72, 23.38
CIElCh	86, 23.390, 91.773
Yxy	68.7352, 0.3560, 0.3764
Android (android.graphics.Color)	4293449644 (0xFFE8D7AC)
YUV	215.1810, -21.2882, 14.7503
Hunter-Lab	82.9067, -5.1189, 23.0879

Details

The Yxy color **68.7352, 0.3560, 0.3764** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.9474, 0.2701, 0.2766**, and the grayscale version is **68.2156, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3814, 0.3286, 0.3552**, and **35.7036, 0.3672, 0.3878** is the 20% darker color. If you saturate the color by 10%, you get **64.6568, 0.3750, 0.3952**, and if you desaturate by 10%, it is **73.1086, 0.3382, 0.3576**.

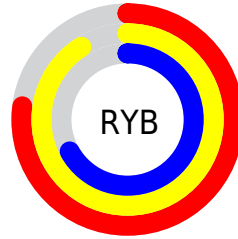
Distribution



Red (91%)

Green (84%)

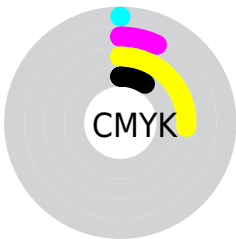
Blue (67%)



Red (77%)

Yellow (91%)

Blue (67%)

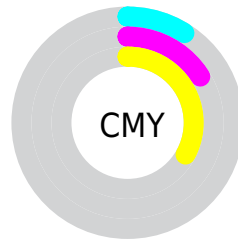


Cyan (0%)

Magenta (7%)

Yellow (26%)

Black (9%)



Cyan (9%)


Magenta (16%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.7352, 0.3560, 0.3764 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 68.7352, 0.3560, 0.3764 by changing the saturation by 10% instead.

 68.7352, 0.3560,
0.3764

 68.7352, 0.3560,
0.3764

456.0965, 0.3359,
0.3543

 50.4961, 0.3606,
0.3815

 117.4033, 0.3490,
0.3687

 35.8077, 0.3662,
0.3877


148.6010, 0.3463,
0.3657

 24.2857, 0.3733,
0.3955


184.8871, 0.3440,
0.3632

 15.5457, 0.3825,
0.4057

226.6460, 0.3419,
0.3609

 9.2033, 0.3948,
0.4194

274.2619, 0.3401,
0.3590

 4.8740, 0.4117,
0.4383

328.1194, 0.3386,

 2.1735, 0.4474,

0.3572

0.4781

388.6028, 0.3371,
0.3557

0.7055, 0.4806,
0.5194

0.0000, 0.0000,
0.0000

68.7352, 0.3560,
0.3764

68.7352, 0.3560,
0.3764

64.6568, 0.3750,
0.3952

73.1086, 0.3382,
0.3576

60.8546, 0.3946,
0.4133

77.7767, 0.3217,
0.3393

57.3212, 0.4143,
0.4296

82.7512, 0.3067,
0.3219

54.0453, 0.4332,
0.4431

87.3947, 0.2986,
0.3151

■ 51.0142, 0.4505,
0.4527

■ 91.3427, 0.2987,
0.3217

■ 48.2135, 0.4651,
0.4575

■ 95.4314, 0.2987,
0.3283

■ 45.6256, 0.4766,
0.4574

■ 95.8854, 0.2987,
0.3290

■ 44.6015, 0.4808,
0.4564

Harmonies

Analogous

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



68.7352, 0.3691, 0.3605



68.7352, 0.3560, 0.3764



68.7352, 0.3315, 0.3797

Triad

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



68.7352, 0.3560, 0.3764



68.7352, 0.2619, 0.3164



68.7352, 0.3209, 0.2944

Complementary

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



68.7352, 0.3560, 0.3764



50.9474, 0.2701, 0.2766

Split Complementary

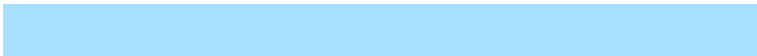
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.7352, 0.2923, 0.2831



68.7352, 0.3560, 0.3764



68.7352, 0.2593, 0.2944

Square

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



68.7352, 0.3560, 0.3764



68.7352, 0.2775, 0.3437



68.7352, 0.2701, 0.2828



68.7352, 0.3484, 0.3140

Rectangle

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



68.7352, 0.3560, 0.3764



68.7352, 0.3123, 0.3733



68.7352, 0.2701, 0.2828



68.7352, 0.3111, 0.2896

Sweetspot

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



68.7383, 0.3560, 0.3764



95.1379, 0.3252, 0.3432



50.3217, 0.3523, 0.3100



20.1736, 0.3276, 0.3460



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.



68.7383, 0.3560, 0.3764



82.4999, 0.3660, 0.3865



75.7089, 0.3422, 0.3956



16.0938, 0.3274, 0.3458



24.9997, 0.4796, 0.4574



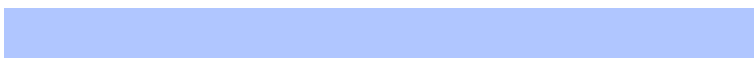
2.0029, 0.4688, 0.4660

Inverse Universe

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



50.9474, 0.2701, 0.2766



56.9475, 0.2604, 0.2639



45.6378, 0.2779, 0.2572



14.5459, 0.2981, 0.3116



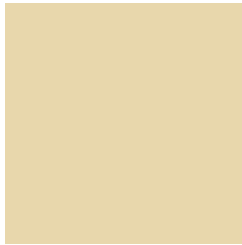
5.5464, 0.1600, 0.0960



0.5636, 0.1680, 0.1246

Previews

White Background



This preview shows how the Yxy color 68.7352, 0.3560, 0.3764 looks on a white background.

Color Contrast Check

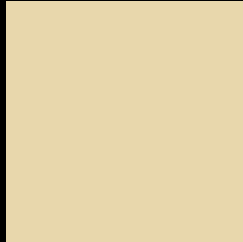
Large Text (above 18pt) WCAG AA × Fail

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 68.7352, 0.3560, 0.3764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

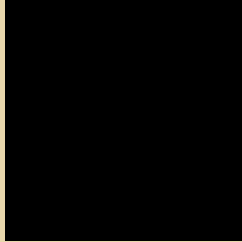
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.7352, 0.3560, 0.3764

Background



This preview shows how black text looks on a background with the Yxy color 68.7352, 0.3560, 0.3764.

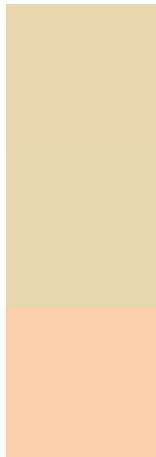


This preview shows how white text looks on a background with the Yxy color 68.7352, 0.3560, 0.3764.

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

68.7352, 0.3560, 0.3764

Protanopia

68.9133, 0.3542, 0.3777

Deuteranopia

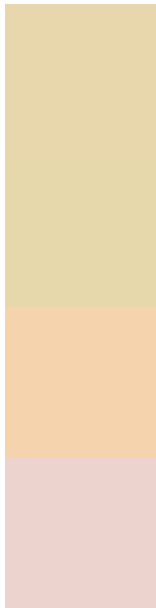
68.8243, 0.3733, 0.3657



Tritanopia

68.6707, 0.3240, 0.3122

Trichromacy



Original Color

68.7352, 0.3560, 0.3764

Protanomaly

69.0792, 0.3550, 0.3775

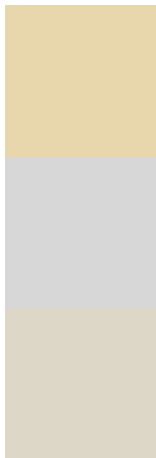
Deuteranomaly

69.0181, 0.3667, 0.3696

Tritanomaly

68.8292, 0.3359, 0.3355

Monochromacy



Original Color

68.7352, 0.3560, 0.3764

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.0966, 0.3282, 0.3469

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.7352, 0.3560, 0.3764 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(232, 215, 172)` looks like.

```
.text, #text, p{  
    color:rgb(232, 215, 172)  
}
```

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(232, 215, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 215, 172) }
```

Border

The CSS property to change the border of an element to Yxy 68.7352, 0.3560, 0.3764 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(232, 215, 172) }
```

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

```
.border{ border-color:rgb(232, 215, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 215, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(232, 215, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(232, 215, 172); box-shadow:4px 4px 4px 4px rgb(232, 215, 172) }
```


Background

The CSS property to change the background color of an element to Yxy 68.7352, 0.3560, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 215, 172) }
```

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

```
.background{ background-color: rgb(232,  
215, 172) }
```

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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