

Converting Colors

$Yxy(66.8122, 0.3567, 0.3757)$

Have a look what the booklet for
Yxy(66.8122, 0.3567, 0.3757)
contains.

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Color

Yxy(66.8122, 0.3567, 0.3757)

Conversions

Conversions Part 1

Format	Color
Hex	E6D4AA
RGB	230, 212, 170
RGB Percent	90%, 83%, 67%
CMY	0.0980, 0.1686, 0.3333
CMYK	0.00, 0.08, 0.26, 0.10
HSL	42°, 55%, 78%
HSV	42°, 26%, 90%
XYZ	63.4334, 66.8122, 47.5884
YIQ	212.5940, 24.2100, -9.2460

Conversions

Conversions Part 2

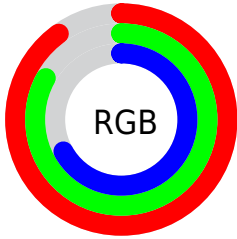
Format	Color
RYB	196, 230, 170
Decimal	15127722
CIELab	85.41, -0.16, 23.06
CIELCh	85, 23.065, 90.397
Yxy	66.8122, 0.3567, 0.3757
Android (android.graphics.Color)	4293317802 (0xFFE6D4AA)
YUV	212.5940, -20.9988, 15.2651
Hunter-Lab	81.7387, -4.5178, 22.6984

Details

The Yxy color $66.8122, 0.3567, 0.3757$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $50.2312, 0.2698, 0.2774$, and the grayscale version is $66.3872, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.2162, 0.3304, 0.3582$, and $34.7604, 0.3669, 0.3870$ is the 20% darker color. If you saturate the color by 10%, you get $62.6428, 0.3759, 0.3941$, and if you desaturate by 10%, it is $71.2874, 0.3387, 0.3573$.

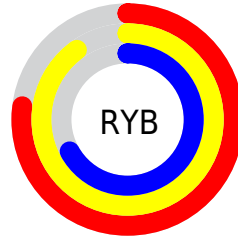
Distribution



Red (90%)

Green (83%)

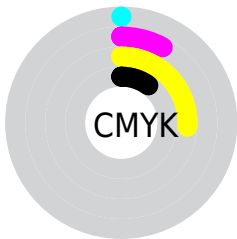
Blue (67%)



Red (77%)

Yellow (90%)

Blue (67%)

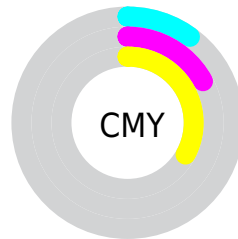


Cyan (0%)

Magenta (8%)

Yellow (26%)

Black (10%)



Cyan (10%)

Magenta (17%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.8122, 0.3567, 0.3757 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 66.8122, 0.3567, 0.3757 by changing the saturation by 10% instead.


 66.8122, 0.3567,
0.3757

 66.8122, 0.3567,
0.3757

449.2760, 0.3361,
0.3539

 48.9320, 0.3614,
0.3807


 114.6513, 0.3495,
0.3681

 34.5656, 0.3672,
0.3869


145.3790, 0.3468,
0.3651

 23.3284, 0.3746,
0.3947


181.1579, 0.3444,
0.3626

 14.8362, 0.3841,
0.4049

222.3726, 0.3423,
0.3604

 8.7045, 0.3970,
0.4185

269.4073, 0.3405,
0.3585

 4.5489, 0.4147,
0.4375

322.6466, 0.3389,

 1.9851, 0.4574,

0.3567

0.4830

382.4746, 0.3374,
0.3552

0.5988, 0.4856,
0.5144

0.0000, 0.0000,
0.0000

66.8122, 0.3567,
0.3757

66.8122, 0.3567,
0.3757

62.6428, 0.3759,
0.3941

71.2874, 0.3387,
0.3573

58.7604, 0.3960,
0.4117

76.0684, 0.3221,
0.3394

55.1575, 0.4162,
0.4277

81.1669, 0.3070,
0.3225

51.8225, 0.4358,
0.4408

86.1311, 0.2974,
0.3135

■ 48.7429, 0.4537,
0.4500

■ 90.2625, 0.2975,
0.3205

■ 45.9039, 0.4691,
0.4544

■ 94.5500, 0.2975,
0.3274

■ 43.2879, 0.4812,
0.4538

■ 95.5632, 0.2976,
0.3290

■ 42.3130, 0.4855,
0.4527

Harmonies

Analogous

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



66.8122, 0.3690, 0.3594



66.8122, 0.3567, 0.3757



66.8122, 0.3327, 0.3796

Triad

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



66.8122, 0.3567, 0.3757



66.8122, 0.2625, 0.3176



66.8122, 0.3195, 0.2938

Complementary

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



66.8122, 0.3567, 0.3757



50.2312, 0.2698, 0.2774

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.



66.8122, 0.2912, 0.2830



66.8122, 0.3567, 0.3757



66.8122, 0.2593, 0.2953

Square

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



66.8122, 0.3567, 0.3757



66.8122, 0.2786, 0.3449



66.8122, 0.2695, 0.2832



66.8122, 0.3471, 0.3130

Rectangle

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



66.8122, 0.3567, 0.3757



66.8122, 0.3136, 0.3737



66.8122, 0.2695, 0.2832



66.8122, 0.3097, 0.2891

Sweetspot

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



66.8152, 0.3567, 0.3757



94.9122, 0.3252, 0.3429



49.2520, 0.3509, 0.3076



20.1165, 0.3277, 0.3456



0.0000, 0.0000, 0.0000



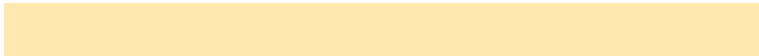
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.8152, 0.3567, 0.3757



81.7039, 0.3664, 0.3851



74.5578, 0.3439, 0.3959



16.0488, 0.3275, 0.3454



24.1786, 0.4842, 0.4537



1.9475, 0.4725, 0.4631

Inverse Universe

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



50.2312, 0.2698, 0.2774



57.5980, 0.2606, 0.2656



44.2925, 0.2760, 0.2562



14.5885, 0.2981, 0.3121



5.8312, 0.1612, 0.1001



0.5892, 0.1692, 0.1290

Previews

White Background



This preview shows how the Yxy color 66.8122, 0.3567, 0.3757 looks on a white background.

Color Contrast Check

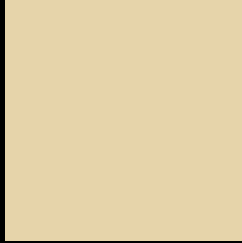
Large Text (above 18pt) WCAG AA × Fail

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 66.8122, 0.3567, 0.3757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

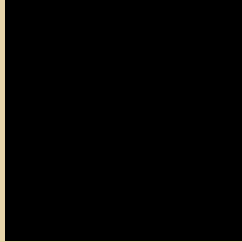
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.8122, 0.3567, 0.3757

Background



This preview shows how black text looks on a background with the Yxy color 66.8122, 0.3567, 0.3757.



This preview shows how white text looks on a background with the Yxy color 66.8122, 0.3567, 0.3757.

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

66.8122, 0.3567, 0.3757

Protanopia

66.8597, 0.3533, 0.3760

Deuteranopia

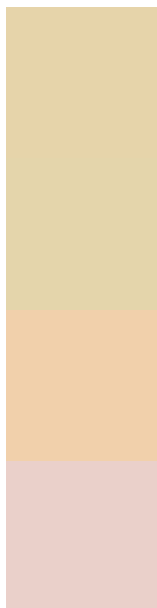
66.5594, 0.3725, 0.3652



Tritanopia

66.7160, 0.3249, 0.3120

Trichromacy



Original Color

66.8122, 0.3567, 0.3757

Protanomaly

67.0228, 0.3541, 0.3759

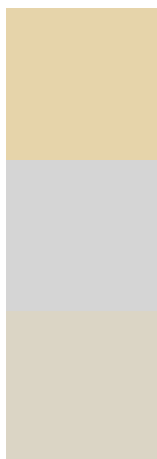
Deuteranomaly

66.7528, 0.3659, 0.3691

Tritanomaly

66.8684, 0.3370, 0.3356

Monochromacy



Original Color

66.8122, 0.3567, 0.3757

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.6798, 0.3283, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.8122, 0.3567, 0.3757 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(230, 212, 170)` looks like.

```
.text, #text, p{  
    color:rgb(230, 212, 170)  
}
```

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(230, 212, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 212, 170) }
```

Border

The CSS property to change the border of an element to Yxy 66.8122, 0.3567, 0.3757 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(230, 212, 170) }
```

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

```
.border{ border-color:rgb(230, 212, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 212, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 212, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 212, 170);  
box-shadow:4px 4px 4px 4px rgb(230, 212,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 66.8122, 0.3567, 0.3757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 212, 170) }
```

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

```
.background{ background-color: rgb(230,  
212, 170) }
```

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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