

Converting Colors

$Yxy(68.7080, 0.3446, 0.3757)$

Have a look what the booklet for
Yxy(68.7080, 0.3446, 0.3757)
contains.

Yxy(68.8070, 0.3447, 0.3763)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(68.8070, 0.3447, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	DEDAB0
RGB	222, 218, 176
RGB Percent	87%, 85%, 69%
CMY	0.1294, 0.1451, 0.3099
CMYK	0.00, 0.02, 0.21, 0.13
HSL	55°, 41%, 78%
HSV	55°, 21%, 87%
XYZ	63.0289, 68.8070, 51.0156
YIQ	214.4080, 15.8660, -12.2140

Conversions

Conversions Part 2

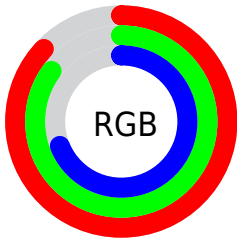
Format	Color
RYB	180, 222, 176
Decimal	14604976
CIELab	86.41, -5.40, 21.23
CIELCh	86, 21.904, 104.267
Yxy	68.8070, 0.3447, 0.3763
Android (android.graphics.Color)	4292795056 (0xFFDEDAB0)
YUV	214.4080, -18.9351, 6.6582
Hunter-Lab	82.9500, -9.5307, 21.6007

Details

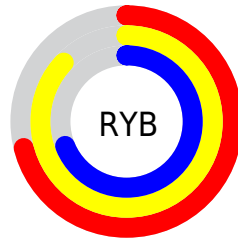
The Yxy color **68.8070, 0.3447, 0.3763** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **47.1254, 0.2784, 0.2768**, and the grayscale version is **67.6564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **35.7314, 0.3519, 0.3881** is the 20% darker color. If you saturate the color by 10%, you get **67.0099, 0.3608, 0.3995**, and if you desaturate by 10%, it is **70.7655, 0.3289, 0.3531**.

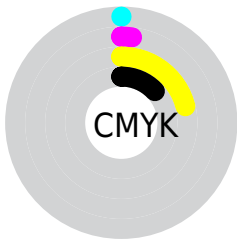
Distribution



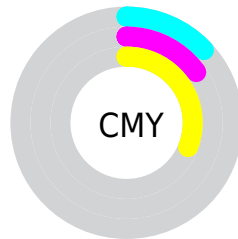
- Red (87%)
- Green (85%)
- Blue (69%)



- Red (71%)
- Yellow (87%)
- Blue (69%)



- Cyan (0%)
- Magenta (2%)
- Yellow (21%)
- Black (13%)




- Cyan (13%)
- Magenta (15%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.8070, 0.3447, 0.3763 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 68.8070, 0.3447, 0.3763 by changing the saturation by 10% instead.

 68.8070, 0.3447,
0.3763

 68.8070, 0.3447,
0.3763


456.3500, 0.3299,
0.3540

 50.5545, 0.3480,
0.3815


 117.5059, 0.3396,
0.3685

 35.8542, 0.3521,
0.3879


148.7211, 0.3376,
0.3655

 24.3216, 0.3573,
0.3961


185.0260, 0.3359,
0.3629

 15.5724, 0.3639,
0.4069


226.8050, 0.3344,
0.3606

 9.2221, 0.3727,
0.4217

274.4425, 0.3331,
0.3587

 4.8863, 0.3848,
0.4429

328.3229, 0.3319,

 2.1807, 0.4078,

0.3569

0.4829

388.8306, 0.3309,
0.3554

0.7094, 0.4333,
0.5667

0.0000, 0.0000,
0.0000

68.8070, 0.3447,
0.3763

68.8070, 0.3447,
0.3763

67.0099, 0.3608,
0.3995

70.7655, 0.3289,
0.3531

65.3580, 0.3766,
0.4219

72.8828, 0.3138,
0.3306

63.8467, 0.3917,
0.4425

75.1681, 0.2996,
0.3092

62.4678, 0.4053,
0.4605

76.9820, 0.2921,
0.2986

61.2120, 0.4168,
0.4748

78.0325, 0.2921,
0.3007

60.0685, 0.4257,
0.4849

79.0948, 0.2922,
0.3027

59.0248, 0.4319,
0.4905

80.1690, 0.2922,
0.3047

58.1267, 0.4356,
0.4924

81.2550, 0.2923,
0.3067

82.3528, 0.2923,
0.3088

Harmonies

Analogous

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



68.8070, 0.3620, 0.3659



68.8070, 0.3447, 0.3763



68.8070, 0.3192, 0.3733

Triad

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



68.8070, 0.3447, 0.3763



68.8070, 0.2624, 0.3077



68.8070, 0.3317, 0.3034

Complementary

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



68.8070, 0.3447, 0.3763



47.1254, 0.2784, 0.2768

Split Complementary

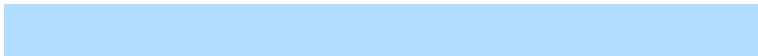
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



68.8070, 0.3044, 0.2892



68.8070, 0.3447, 0.3763



68.8070, 0.2653, 0.2907

Square

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



68.8070, 0.3447, 0.3763



68.8070, 0.2722, 0.3320



68.8070, 0.2803, 0.2844



68.8070, 0.3546, 0.3240

Rectangle

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



68.8070, 0.3447, 0.3763



68.8070, 0.3012, 0.3635



68.8070, 0.2803, 0.2844



68.8070, 0.3227, 0.2978

Sweetspot

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



68.8101, 0.3447, 0.3763



98.2103, 0.3217, 0.3425



49.8859, 0.3500, 0.3237



20.9804, 0.3227, 0.3440



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.



68.8101, 0.3447, 0.3763



93.0778, 0.3519, 0.3867



68.1540, 0.3300, 0.3829



15.8157, 0.3269, 0.3502



34.6093, 0.4353, 0.4926



2.4595, 0.4326, 0.4947

Inverse Universe

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



47.1254, 0.2784, 0.2768



58.1594, 0.2701, 0.2639



47.8314, 0.2925, 0.2741



13.4333, 0.2981, 0.3069



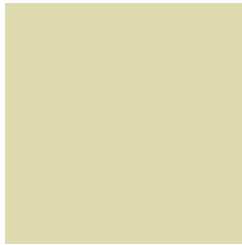
3.4814, 0.1517, 0.0660



0.3083, 0.1561, 0.0818

Previews

White Background



This preview shows how the Yxy color 68.8070, 0.3447, 0.3763 looks on a white background.

Color Contrast Check

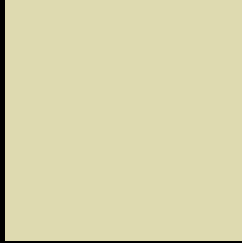
Large Text (above 18pt) WCAG AA × Fail

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 68.8070, 0.3447, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

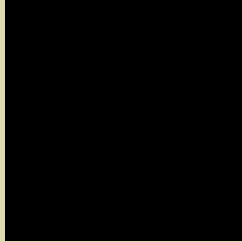
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

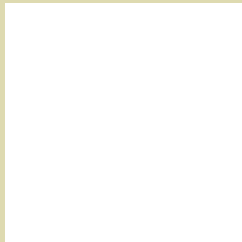
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.8070, 0.3447, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 68.8070, 0.3447, 0.3763.



This preview shows how white text looks on a background with the Yxy color 68.8070, 0.3447, 0.3763.

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

68.8070, 0.3447, 0.3763

Protanopia

68.8649, 0.3513, 0.3744

Deuteranopia

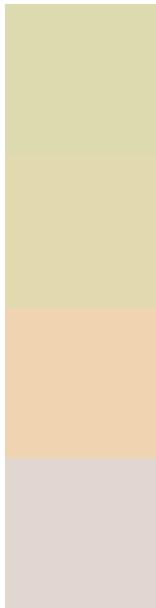
68.6501, 0.3678, 0.3607



Tritanopia

68.8480, 0.3143, 0.3109

Trichromacy



Original Color

68.8070, 0.3447, 0.3763

Protanomaly

68.8896, 0.3487, 0.3759

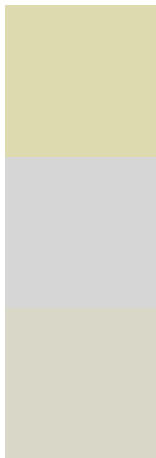
Deuteranomaly

68.7866, 0.3595, 0.3668

Tritanomaly

68.8653, 0.3251, 0.3345

Monochromacy



Original Color

68.8070, 0.3447, 0.3763

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

67.5227, 0.3245, 0.3459

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.8070, 0.3447, 0.3763 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(222, 218, 176)` looks like.

```
.text, #text, p{  
    color:rgb(222, 218, 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(222, 218, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 218, 176) }
```

Border

The CSS property to change the border of an element to Yxy 68.8070, 0.3447, 0.3763 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(222, 218, 176) }
```

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

```
.border{ border-color:rgb(222, 218, 176) }
```

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

Here you see how a box with a 4 pixel rgb(222, 218, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 218, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 218, 176);  
box-shadow:4px 4px 4px 4px rgb(222, 218,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 68.8070, 0.3447, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 218, 176) }
```

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

```
.background{ background-color: rgb(222,  
218, 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](#).

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