

Converting Colors

$Yxy(64.8021, 0.3430, 0.3940)$

Have a look what the booklet for
Yxy(64.8021, 0.3430, 0.3940)
contains.

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Color

Yxy(64.8068, 0.3431, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	CED8A1
RGB	206, 216, 161
RGB Percent	81%, 85%, 63%
CMY	0.1923, 0.1529, 0.3687
CMYK	0.05, 0.00, 0.25, 0.15
HSL	71°, 41%, 74%
HSV	71°, 25%, 85%
XYZ	56.4346, 64.8068, 43.2429
YIQ	206.7400, 11.6950, -19.2250

Conversions

Conversions Part 2

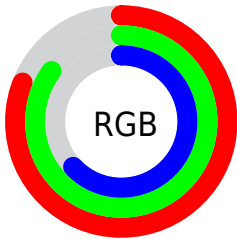
Format	Color
RYB	161, 216, 171
Decimal	13555873
CIELab	84.38, -12.44, 26.07
CIElCh	84, 28.883, 115.517
Yxy	64.8068, 0.3431, 0.3940
Android (android.graphics.Color)	4291745953 (0xFFCED8A1)
YUV	206.7400, -22.5498, -0.6490
Hunter-Lab	80.5027, -15.7463, 24.5036

Details

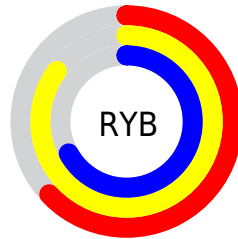
The Yxy color **64.8068, 0.3431, 0.3940** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.1026, 0.2771, 0.2584**, and the grayscale version is **62.3607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **33.1732, 0.3498, 0.4104** is the 20% darker color. If you saturate the color by 10%, you get **63.5551, 0.3546, 0.4204**, and if you desaturate by 10%, it is **66.2101, 0.3311, 0.3678**.

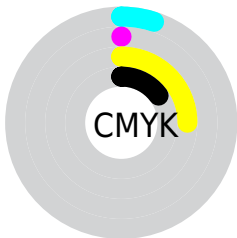
Distribution



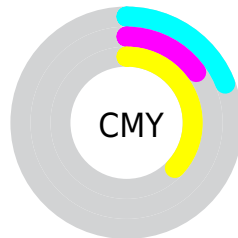
- Red (81%)
- Green (85%)
- Blue (63%)



- Red (63%)
- Yellow (85%)
- Blue (67%)



- Cyan (5%)
- Magenta (0%)
- Yellow (25%)
- Black (15%)




- Cyan (19%)
- Magenta (15%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.8068, 0.3431, 0.3940 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 64.8068, 0.3431, 0.3940 by changing the saturation by 10% instead.

 64.8068, 0.3431,
0.3940

 64.8068, 0.3431,
0.3940


442.0974, 0.3293,
0.3627

 47.3044, 0.3462,
0.4014


 111.7721, 0.3384,
0.3829

 33.2764, 0.3498,
0.4108


 142.0037, 0.3365,
0.3786

 22.3383, 0.3544,
0.4228


177.2473, 0.3349,
0.3750

 14.1057, 0.3600,
0.4387

217.8872, 0.3335,
0.3719

 8.1942, 0.3670,
0.4609

264.3077, 0.3322,
0.3691

 4.2195, 0.3753,
0.4932

316.8933, 0.3311,

 1.7971, 0.4133,

0.3667

0.5867

376.0284, 0.3301,
0.3646

0.4853, 0.2451,
0.7549

0.0000, 0.0000,
0.0000

64.8068, 0.3431,
0.3940

64.8068, 0.3431,
0.3940

63.5551, 0.3546,
0.4204

66.2101, 0.3311,
0.3678

62.4395, 0.3652,
0.4460


67.7627, 0.3192,
0.3424

61.4553, 0.3743,
0.4698


69.4734, 0.3075,
0.3183


60.5943, 0.3814,
0.4907


71.3480, 0.2963,
0.2959

 59.8473, 0.3861,
0.5077


 72.4577, 0.2943,
0.2886

 59.2034, 0.3882,
0.5202


 73.1014, 0.2970,
0.2890

 58.6495, 0.3878,
0.5282

 73.7599, 0.2996,
0.2893

 58.4179, 0.3871,
0.5309

 74.4332, 0.3023,
0.2896

 75.1214, 0.3051,
0.2899

Harmonies

Analogous

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



64.8068, 0.3719, 0.3852



64.8068, 0.3431, 0.3940



64.8068, 0.3072, 0.3831

Triad

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



64.8068, 0.3431, 0.3940



64.8068, 0.2455, 0.2899



64.8068, 0.3510, 0.3044

Complementary

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



64.8068, 0.3431, 0.3940



39.1026, 0.2771, 0.2584

Split Complementary

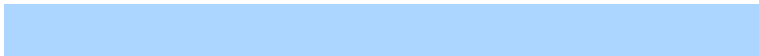
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.8068, 0.3150, 0.2822



64.8068, 0.3431, 0.3940



64.8068, 0.2554, 0.2730

Square

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



64.8068, 0.3431, 0.3940



64.8068, 0.2520, 0.3195



64.8068, 0.2802, 0.2708



64.8068, 0.3772, 0.3330

Rectangle

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



64.8068, 0.3431, 0.3940



64.8068, 0.2843, 0.3655



64.8068, 0.2802, 0.2708



64.8068, 0.3395, 0.2960

Sweetspot

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



64.8097, 0.3431, 0.3940



98.0556, 0.3223, 0.3488



45.9808, 0.3638, 0.3403



20.9132, 0.3241, 0.3527



0.0000, 0.0000, 0.0000



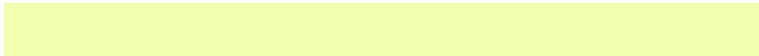
21.4041, 0.3127, 0.3290

Same Dimension

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



64.8097, 0.3431, 0.3940



93.2777, 0.3499, 0.4094



61.3148, 0.3227, 0.3984



14.4000, 0.3239, 0.3522



34.6153, 0.3876, 0.5304



2.1183, 0.3934, 0.5259

Inverse Universe

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



39.1026, 0.2771, 0.2584



49.2473, 0.2673, 0.2398



42.4027, 0.2996, 0.2628



12.1166, 0.3009, 0.3051



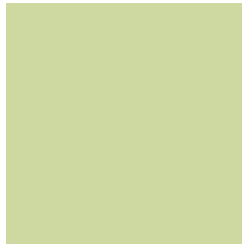
3.2288, 0.1588, 0.0648



0.2281, 0.1744, 0.0735

Previews

White Background



This preview shows how the Yxy color 64.8068, 0.3431, 0.3940 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 64.8068, 0.3431, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

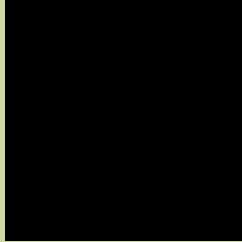
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

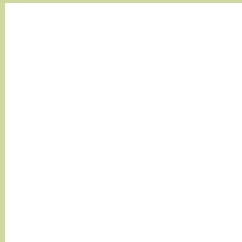
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.8068, 0.3431, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 64.8068, 0.3431, 0.3940.



This preview shows how white text looks on a background with the Yxy color 64.8068, 0.3431, 0.3940.

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

64.8068, 0.3431, 0.3940

Protanopia

64.5694, 0.3620, 0.3879

Deuteranopia

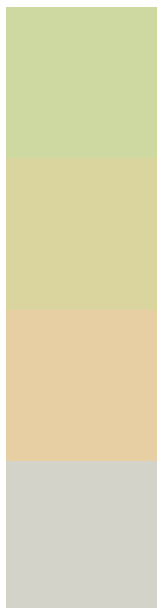
64.5142, 0.3773, 0.3698



Tritanopia

64.7897, 0.3062, 0.3112

Trichromacy



Original Color

64.8068, 0.3431, 0.3940

Protanomaly

64.4956, 0.3551, 0.3900

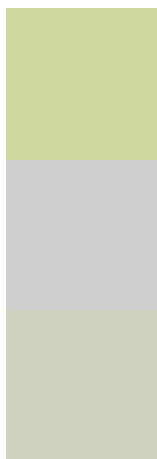
Deuteranomaly

64.2589, 0.3641, 0.3781

Tritanomaly

64.6545, 0.3197, 0.3405

Monochromacy



Original Color

64.8068, 0.3431, 0.3940

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.0763, 0.3245, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.8068, 0.3431, 0.3940 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(206, 216, 161)` looks like.

```
.text, #text, p{  
    color:rgb(206, 216, 161)  
}
```

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(206, 216, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 216, 161) }
```

Border

The CSS property to change the border of an element to Yxy 64.8068, 0.3431, 0.3940 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(206, 216, 161) }
```

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

```
.border{ border-color:rgb(206, 216, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 216, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 216, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 216, 161);  
box-shadow:4px 4px 4px 4px rgb(206, 216,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 64.8068, 0.3431, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 216, 161) }
```

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

```
.background{ background-color: rgb(206,  
216, 161) }
```

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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