

Converting Colors

$Yxy(68.5200, 0.3637, 0.3968)$

Have a look what the booklet for
Yxy(68.5200, 0.3637, 0.3968)
contains.

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Color

Yxy(68.5200, 0.3637, 0.3968)

Conversions

Conversions Part 1

Format	Color
Hex	E4D99C
RGB	228, 217, 156
RGB Percent	89%, 85%, 61%
CMY	0.1059, 0.1490, 0.3883
CMYK	0.00, 0.05, 0.32, 0.11
HSL	51°, 57%, 75%
HSV	51°, 32%, 89%
XYZ	62.8042, 68.5200, 41.3572
YIQ	213.3350, 26.1370, -16.6390

Conversions

Conversions Part 2

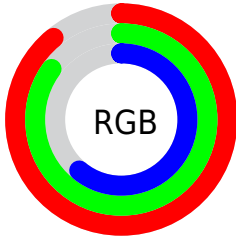
Format	Color
R _Y B	169, 228, 156
Decimal	14997916
CIE Lab	86.27, -5.30, 31.48
CIE LCh	86, 31.922, 99.561
Yxy	68.5200, 0.3637, 0.3968
Android (android.graphics.Color)	4293187996 (0xFFE4D99C)
YUV	213.3350, -28.2662, 12.8612
Hunter-Lab	82.7768, -9.4283, 28.3211

Details

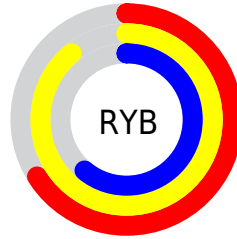
The Yxy color **68.5200, 0.3637, 0.3968** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **40.2877, 0.2582, 0.2506**, and the grayscale version is **66.9550, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **35.6108, 0.3758, 0.4126** is the 20% darker color. If you saturate the color by 10%, you get **66.0489, 0.3807, 0.4179**, and if you desaturate by 10%, it is **71.1801, 0.3468, 0.3750**.

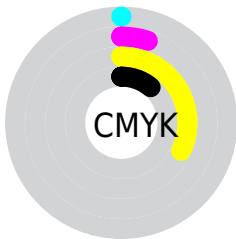
Distribution



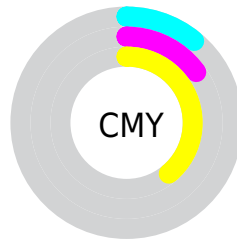
- Red (89%)
- Green (85%)
- Blue (61%)



- Red (66%)
- Yellow (89%)
- Blue (61%)



- Cyan (0%)
- Magenta (5%)
- Yellow (32%)
- Black (11%)





- Cyan (11%)
- Magenta (15%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.5200, 0.3637, 0.3968 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 68.5200, 0.3637, 0.3968 by changing the saturation by 10% instead.


 68.5200, 0.3637,
0.3968


 68.5200, 0.3637,
0.3968


455.3362, 0.3403,
0.3650

 50.3209, 0.3689,
0.4041


 117.0957, 0.3557,
0.3858

 35.6684, 0.3752,
0.4130


 148.2411, 0.3525,
0.3815

 24.1782, 0.3830,
0.4242


184.4708, 0.3498,
0.3778

 15.4659, 0.3927,
0.4387

226.1691, 0.3474,
0.3746

 9.1470, 0.4050,
0.4577

273.7203, 0.3453,
0.3717

 4.8372, 0.4203,
0.4832

327.5090, 0.3435,

 2.1521, 0.4582,

0.3692

0.5418

387.9195, 0.3418,
0.3670

0.6937, 0.4331,
0.5669

0.0000, 0.0000,
0.0000

68.5200, 0.3637,
0.3968

68.5200, 0.3637,
0.3968

66.0489, 0.3807,
0.4179

71.1801, 0.3468,
0.3750

63.7489, 0.3972,
0.4374

74.0274, 0.3305,
0.3533

61.6142, 0.4124,
0.4542

77.0724, 0.3151,
0.3323

59.6344, 0.4258,
0.4675

80.3218, 0.3007,
0.3122

■ 57.7978, 0.4367,
0.4764

■ 82.7797, 0.2961,
0.3080

■ 56.0906, 0.4446,
0.4807

■ 84.7827, 0.2961,
0.3116

■ 54.7350, 0.4495,
0.4813

■ 86.8246, 0.2962,
0.3152

■ 88.9059, 0.2962,
0.3187

■ 91.0267, 0.2963,
0.3222

Harmonies

Analogous

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



68.5200, 0.3869, 0.3777



68.5200, 0.3637, 0.3968



68.5200, 0.3275, 0.3971

Triad

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



68.5200, 0.3637, 0.3968



68.5200, 0.2416, 0.3021



68.5200, 0.3339, 0.2885

Complementary

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



68.5200, 0.3637, 0.3968



40.2877, 0.2582, 0.2506

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.



68.5200, 0.2941, 0.2703



68.5200, 0.3637, 0.3968



68.5200, 0.2430, 0.2761

Square

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



68.5200, 0.3637, 0.3968



68.5200, 0.2579, 0.3389



68.5200, 0.2615, 0.2654



68.5200, 0.3696, 0.3162

Rectangle

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



68.5200, 0.3637, 0.3968



68.5200, 0.3014, 0.3847



68.5200, 0.2615, 0.2654



68.5200, 0.3205, 0.2812

Sweetspot

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



68.5231, 0.3637, 0.3968



96.3970, 0.3265, 0.3479



43.0880, 0.3727, 0.3152



20.5125, 0.3288, 0.3510



0.0000, 0.0000, 0.0000



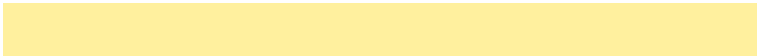
21.4041, 0.3127, 0.3290

Same Dimension

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



68.5231, 0.3637, 0.3968



86.1864, 0.3750, 0.4110



70.7156, 0.3422, 0.4127



16.4231, 0.3271, 0.3488



31.7502, 0.4489, 0.4817



2.4480, 0.4439, 0.4857

Inverse Universe

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



40.2877, 0.2582, 0.2506



44.3374, 0.2451, 0.2308



39.0713, 0.2754, 0.2407



14.2400, 0.2980, 0.3084



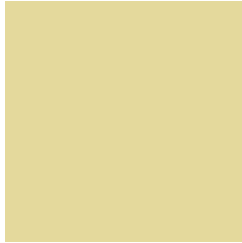
4.0281, 0.1536, 0.0729



0.4078, 0.1599, 0.0956

Previews

White Background



This preview shows how the Yxy color 68.5200, 0.3637, 0.3968 looks on a white background.

Color Contrast Check

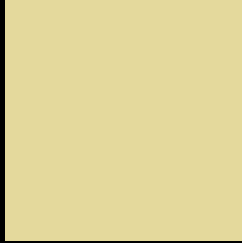
Large Text (above 18pt) WCAG AA × Fail

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 68.5200, 0.3637, 0.3968 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 68.5200, 0.3637, 0.3968

Background



This preview shows how black text looks on a background with the Yxy color 68.5200, 0.3637, 0.3968.



This preview shows how white text looks on a background with the Yxy color 68.5200, 0.3637, 0.3968.

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

68.5200, 0.3637, 0.3968

Protanopia

68.6341, 0.3679, 0.3961

Deuteranopia

68.3889, 0.3867, 0.3788



Tritanopia

68.3264, 0.3225, 0.3121

Trichromacy



Original Color

68.5200, 0.3637, 0.3968

Protanomaly

68.4672, 0.3671, 0.3963

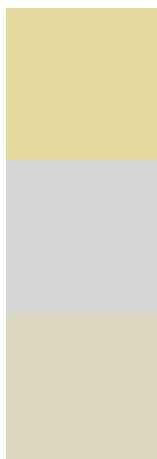
Deuteranomaly

68.4696, 0.3779, 0.3855

Tritanomaly

68.0357, 0.3380, 0.3421

Monochromacy



Original Color

68.5200, 0.3637, 0.3968

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

66.8043, 0.3310, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.5200, 0.3637, 0.3968 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(228, 217, 156)` looks like.

```
.text, #text, p{  
    color:rgb(228, 217, 156)  
}
```

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(228, 217, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 217, 156) }
```

Border

The CSS property to change the border of an element to Yxy 68.5200, 0.3637, 0.3968 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(228, 217, 156) }
```

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

```
.border{ border-color:rgb(228, 217, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 217, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 217, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 217, 156);  
box-shadow:4px 4px 4px 4px rgb(228, 217,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 68.5200, 0.3637, 0.3968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 217, 156) }
```

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

```
.background{ background-color: rgb(228,  
217, 156) }
```

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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