

Converting Colors

Yxy(68.8528, 0.3643, 0.4240)

Have a look what the booklet for
Yxy(68.8528, 0.3643, 0.4240)
contains.

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Color

Yxy(68.6765, 0.3646, 0.4242)

Conversions

Conversions Part 1

Format	Color
Hex	D8DE8A
RGB	216, 222, 138
RGB Percent	85%, 87%, 54%
CMY	0.1530, 0.1294, 0.4588
CMYK	0.03, 0.00, 0.38, 0.13
HSL	64°, 56%, 71%
HSV	64°, 38%, 87%
XYZ	59.0275, 68.6765, 34.1925
YIQ	210.6300, 23.3880, -27.3960

Conversions

Conversions Part 2

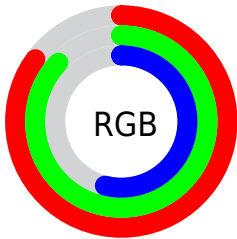
Format	Color
R_{YB}	138, 222, 144
Decimal	14212746
CIE _{Lab}	86.34, -14.55, 40.51
CIE _{LCh}	86, 43.045, 109.754
Yxy	68.6765, 0.3646, 0.4242
Android (android.graphics.Color)	4292402826 (0xFFD8DE8A)
YUV	210.6300, -35.8066, 4.7095
Hunter-Lab	82.8713, -17.8830, 33.5470

Details

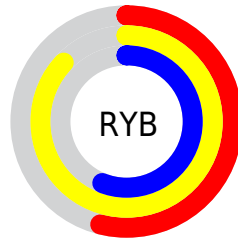
The Yxy color **68.6765, 0.3646, 0.4242** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.3852, 0.2481, 0.2158**, and the grayscale version is **65.1155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.5858, 0.3502, 0.3910**, and **35.7829, 0.3754, 0.4478** is the 20% darker color. If you saturate the color by 10%, you get **67.8601, 0.3769, 0.4478**, and if you desaturate by 10%, it is **69.6329, 0.3512, 0.3991**.

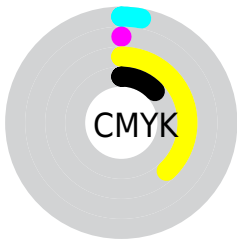
Distribution



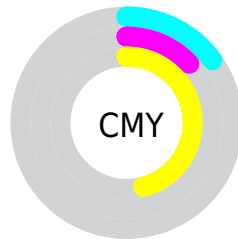
- Red (85%)
- Green (87%)
- Blue (54%)



- Red (54%)
- Yellow (87%)
- Blue (56%)



- Cyan (3%)
- Magenta (0%)
- Yellow (38%)
- Black (13%)



- Cyan (15%)
- Magenta (13%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.6765, 0.3646, 0.4242 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 68.6765, 0.3646, 0.4242 by changing the saturation by 10% instead.

68.6765, 0.3646,
0.4242

68.6765, 0.3646,
0.4242

455.8892, 0.3417,
0.3791

50.4483, 0.3694,
0.4346

117.3194, 0.3570,
0.4085

35.7697, 0.3750,
0.4473

148.5029, 0.3539,
0.4024

24.2564, 0.3815,
0.4632

184.7736, 0.3512,
0.3971

15.5239, 0.3890,
0.4836

226.5159, 0.3489,
0.3926

9.1879, 0.3970,
0.5101

274.1142, 0.3468,
0.3886

4.8640, 0.4090,
0.5521

327.9530, 0.3449,

2.1677, 0.4058,

0.3850

0.5942

388.4165, 0.3432,
0.3819

0.7023, 0.3078,
0.6922

0.0000, 0.0000,
0.0000

68.6765, 0.3646,
0.4242

68.6765, 0.3646,
0.4242

67.8601, 0.3769,
0.4478

69.6329, 0.3512,
0.3991

67.1663, 0.3876,
0.4690

70.7273, 0.3373,
0.3735

66.5893, 0.3962,
0.4867

71.9697, 0.3234,
0.3482

66.1188, 0.4022,
0.5003

73.3665, 0.3098,
0.3238

65.7430, 0.4056,
0.5094

74.9236, 0.2969,
0.3008

65.4452, 0.4066,
0.5144

75.5581, 0.2943,
0.2950

65.3854, 0.4067,
0.5153

75.8154, 0.2953,
0.2951

76.0750, 0.2964,
0.2952

76.3370, 0.2975,
0.2953

Harmonies

Analogous

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



68.6765, 0.4038, 0.4034



68.6765, 0.3646, 0.4242



68.6765, 0.3134, 0.4159

Triad

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



68.6765, 0.3646, 0.4242



68.6765, 0.2172, 0.2778



68.6765, 0.3588, 0.2867

Complementary

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



68.6765, 0.3646, 0.4242



29.3852, 0.2481, 0.2158

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.



68.6765, 0.3048, 0.2585



68.6765, 0.3646, 0.4242



68.6765, 0.2267, 0.2514

Square

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



68.6765, 0.3646, 0.4242



68.6765, 0.2302, 0.3233



68.6765, 0.2573, 0.2456



68.6765, 0.4019, 0.3249

Rectangle

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



68.6765, 0.3646, 0.4242



68.6765, 0.2796, 0.3924



68.6765, 0.2573, 0.2456



68.6765, 0.3410, 0.2759

Sweetspot

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



68.6796, 0.3646, 0.4242



97.9447, 0.3279, 0.3563



37.1944, 0.4032, 0.3360



20.9138, 0.3298, 0.3598



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.



68.6796, 0.3646, 0.4242



93.1570, 0.3740, 0.4422



63.1268, 0.3326, 0.4351



15.9771, 0.3256, 0.3522



38.8559, 0.4069, 0.5151



2.7084, 0.4089, 0.5135

Inverse Universe

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



29.3852, 0.2481, 0.2158



32.3881, 0.2326, 0.1895



33.8442, 0.2835, 0.2261



13.2899, 0.2992, 0.3048



3.2151, 0.1524, 0.0613



0.2395, 0.1590, 0.0650

Previews

White Background



This preview shows how the Yxy color 68.6765, 0.3646, 0.4242 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 68.6765, 0.3646, 0.4242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

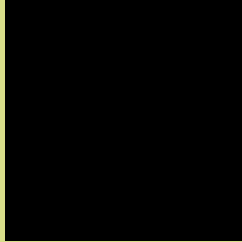
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.6765, 0.3646, 0.4242

Background



This preview shows how black text looks on a background with the Yxy color 68.6765, 0.3646, 0.4242.



This preview shows how white text looks on a background with the Yxy color 68.6765, 0.3646, 0.4242.

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

68.6765, 0.3646, 0.4242

Protanopia

68.5515, 0.3834, 0.4155

Deuteranopia

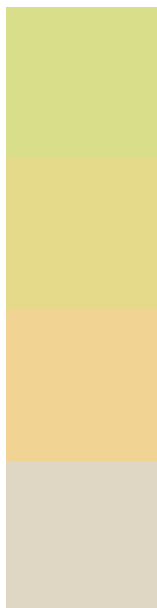
68.1526, 0.3920, 0.3859



Tritanopia

68.5209, 0.3128, 0.3108

Trichromacy



Original Color

68.6765, 0.3646, 0.4242

Protanomaly

68.4429, 0.3763, 0.4182

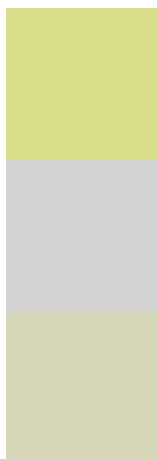
Deuteranomaly

67.8943, 0.3823, 0.3988

Tritanomaly

68.2290, 0.3325, 0.3513

Monochromacy



Original Color

68.6765, 0.3646, 0.4242

Achromatopsia

65.1406, 0.3127, 0.3290

Achromatomaly

66.2077, 0.3327, 0.3647

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.6765, 0.3646, 0.4242 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(216, 222, 138)` looks like.

```
.text, #text, p{  
    color:rgb(216, 222, 138)  
}
```

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(216, 222, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 222, 138) }
```

Border

The CSS property to change the border of an element to Yxy 68.6765, 0.3646, 0.4242 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(216, 222, 138) }
```

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

```
.border{ border-color:rgb(216, 222, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 222, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 222, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 222, 138); box-shadow:4px 4px 4px 4px rgb(216, 222, 138) }
```


Background

The CSS property to change the background color of an element to Yxy 68.6765, 0.3646, 0.4242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 222, 138) }
```

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

```
.background{ background-color: rgb(216,  
222, 138) }
```

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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