

Converting Colors

$Yxy(68.7258, 0.3845, 0.4536)$

Have a look what the booklet for
Yxy(68.7258, 0.3845, 0.4536)
contains.

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Color

Yxy(68.9395, 0.3840, 0.4536)

Conversions

Conversions Part 1

Format	Color
Hex	DBDF6D
RGB	219, 223, 109
RGB Percent	86%, 87%, 43%
CMY	0.1411, 0.1255, 0.5728
CMYK	0.02, 0.00, 0.51, 0.13
HSL	62°, 64%, 65%
HSV	62°, 51%, 87%
XYZ	58.3615, 68.9395, 24.6820
YIQ	208.8080, 34.2100, -36.3020

Conversions

Conversions Part 2

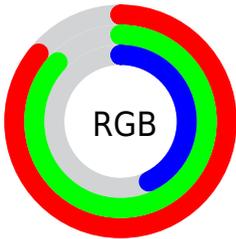
Format	Color
RYB	109, 223, 113
Decimal	14409581
CIELab	86.47, -16.72, 54.73
CIELCh	86, 57.230, 106.988
Yxy	68.9395, 0.3840, 0.4536
Android (android.graphics.Color)	4292599661 (0xFFDBDF6D)
YUV	208.8080, -49.2053, 8.9384
Hunter-Lab	83.0298, -19.8349, 40.4959

Details

The Yxy color **68.9395, 0.3840, 0.4536** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **19.7599, 0.2175, 0.1680**, and the grayscale version is **63.9383, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **35.9722, 0.3964, 0.4815** is the 20% darker color. If you saturate the color by 10%, you get **68.4012, 0.3947, 0.4730**, and if you desaturate by 10%, it is **69.6065, 0.3715, 0.4313**.

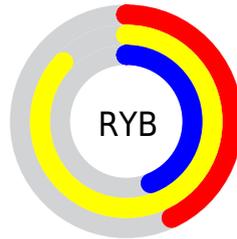
Distribution



Red (86%)

Green (87%)

Blue (43%)



Red (43%)

Yellow (87%)

Blue (44%)

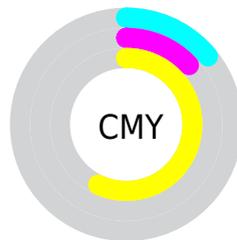


Cyan (2%)

Magenta (0%)

Yellow (51%)

Black (13%)



Cyan (14%)

Magenta (13%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.9395, 0.3840, 0.4536 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 68.9395, 0.3840, 0.4536 by changing the saturation by 10% instead.

 68.9395, 0.3840,
0.4536

 68.9395, 0.3840,
0.4536

456.8176, 0.3537,
0.3955

 50.6624, 0.3898,
0.4664

 117.6952, 0.3743,
0.4337

 35.9400, 0.3962,
0.4817

 148.9425, 0.3703,
0.4259

 24.3879, 0.4031,
0.5002

 185.2822, 0.3667,
0.4191

 15.6216, 0.4098,
0.5225

 227.0984, 0.3635,
0.4132

 9.2568, 0.4156,
0.5505

274.7757, 0.3606,
0.4080

 4.9091, 0.4163,
0.5837

328.6984, 0.3581,

 2.1940, 0.3935,

0.4033

389.2509, 0.3558,
0.3992

0.6065

0.7167, 0.2759,
0.7241

0.0000, 0.0000,
0.0000

68.9395, 0.3840,
0.4536

68.9395, 0.3840,
0.4536

68.4012, 0.3947,
0.4730

69.6065, 0.3715,
0.4313

67.9727, 0.4031,
0.4886

70.4011, 0.3577,
0.4070

67.6464, 0.4089,
0.4999

71.3341, 0.3432,
0.3818

67.4094, 0.4121,
0.5069

72.4127, 0.3286,
0.3564

 67.2548, 0.4132,
0.5101

 73.6434, 0.3143,
0.3318

 75.0324, 0.3006,
0.3082

 75.9214, 0.2936,
0.2959

 76.0468, 0.2941,
0.2960

 76.1728, 0.2947,
0.2960

Harmonies

Analogous

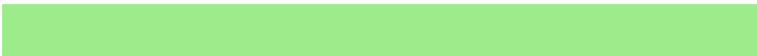
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9395, 0.4344, 0.4193



68.9395, 0.3840, 0.4536



68.9395, 0.3176, 0.4505

Triad

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



68.9395, 0.3840, 0.4536



68.9395, 0.1905, 0.2645



68.9395, 0.3667, 0.2701

Complementary

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



68.9395, 0.3840, 0.4536



19.7599, 0.2175, 0.1680

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.



68.9395, 0.2949, 0.2365



68.9395, 0.3840, 0.4536



68.9395, 0.2000, 0.2299

Square

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



68.9395, 0.3840, 0.4536



68.9395, 0.2084, 0.3260



68.9395, 0.2356, 0.2218



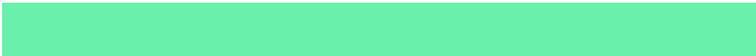
68.9395, 0.4274, 0.3167

Rectangle

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



68.9395, 0.3840, 0.4536



68.9395, 0.2734, 0.4211



68.9395, 0.2356, 0.2218



68.9395, 0.3426, 0.2571

Sweetspot

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



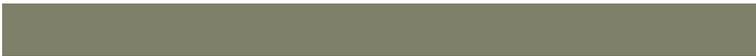
68.9427, 0.3840, 0.4536



97.5237, 0.3344, 0.3664



28.5454, 0.4568, 0.3338



20.8077, 0.3375, 0.3718



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.



68.9427, 0.3840, 0.4536



92.6712, 0.3950, 0.4735



61.5803, 0.3399, 0.4749



16.0038, 0.3262, 0.3522



39.5537, 0.4133, 0.5101



2.7494, 0.4143, 0.5093

Inverse Universe

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



19.7599, 0.2175, 0.1680



19.2261, 0.1964, 0.1331



24.7745, 0.2659, 0.1865



13.2661, 0.2986, 0.3048



3.1724, 0.1511, 0.0606



0.2281, 0.1545, 0.0625

Previews

White Background



This preview shows how the Yxy color 68.9395, 0.3840, 0.4536 looks on a white background.

Color Contrast Check

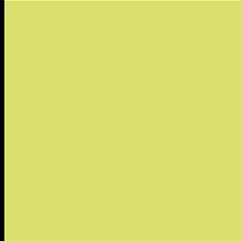
Large Text (above 18pt) WCAG AA × Fail

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 68.9395, 0.3840, 0.4536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

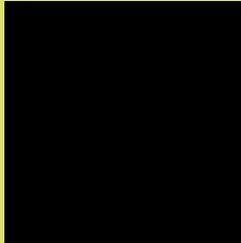
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

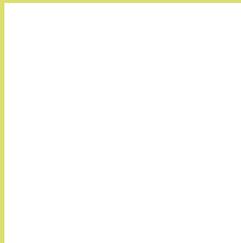
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 68.9395, 0.3840, 0.4536

Background



This preview shows how black text looks on a background with the Yxy color 68.9395, 0.3840, 0.4536.



This preview shows how white text looks on a background with the Yxy color 68.9395, 0.3840, 0.4536.

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

68.9395, 0.3840, 0.4536

Protanopia

68.5240, 0.4048, 0.4416

Deuteranopia

68.4161, 0.3967, 0.3939



Tritanopia

68.6282, 0.3165, 0.3109

Trichromacy



Original Color

68.9395, 0.3840, 0.4536

Protanomaly

68.9016, 0.3969, 0.4460

Deuteranomaly

68.1317, 0.3931, 0.4147

Tritanomaly

68.3925, 0.3435, 0.3635

Monochromacy



Original Color

68.9395, 0.3840, 0.4536

Achromatopsia

63.7597, 0.3127, 0.3290

Achromatomaly

65.2564, 0.3406, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9395, 0.3840, 0.4536 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(219, 223, 109)` looks like.

```
.text, #text, p{  
    color:rgb(219, 223, 109)  
}
```

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(219, 223, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 223, 109) }
```

Border

The CSS property to change the border of an element to Yxy 68.9395, 0.3840, 0.4536 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(219, 223, 109) }
```

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

```
.border{ border-color:rgb(219, 223, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 223, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(219, 223, 109); -webkit-box-shadow:4px 4px 4px 4px rgb(219, 223, 109); box-shadow:4px 4px 4px 4px rgb(219, 223, 109) }
```

Background

The CSS property to change the background color of an element to Yxy 68.9395, 0.3840, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 223, 109) }
```

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

```
.background{ background-color: rgb(219,  
223, 109) }
```

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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