

Converting Colors

$Yxy(78.4888, 0.3381, 0.4152)$

Have a look what the booklet for
Yxy(78.4888, 0.3381, 0.4152)
contains.

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Color

Yxy(78.3744, 0.3382, 0.4156)

Conversions

Conversions Part 1

Format	Color
Hex	D0F0A3
RGB	208, 240, 163
RGB Percent	82%, 94%, 64%
CMY	0.1844, 0.0588, 0.3607
CMYK	0.13, 0.00, 0.32, 0.06
HSL	85°, 72%, 79%
HSV	85°, 32%, 94%
XYZ	63.7782, 78.3744, 46.4287
YIQ	221.6540, 5.6450, -30.7310

Conversions

Conversions Part 2

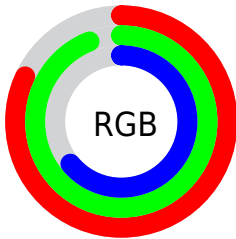
Format	Color
RYB	163, 240, 195
Decimal	13693091
CIELab	90.95, -23.26, 33.86
CIElCh	91, 41.078, 124.480
Yxy	78.3744, 0.3382, 0.4156
Android (android.graphics.Color)	4291883171 (0xFFD0F0A3)
YUV	221.6540, -28.9164, -11.9746
Hunter-Lab	88.5293, -26.3315, 30.8762

Details

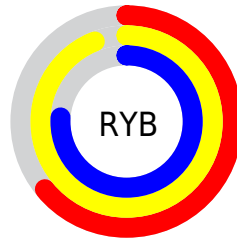
The Yxy color **78.3744, 0.3382, 0.4156** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.1083, 0.2795, 0.2401**, and the grayscale version is **72.9944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **42.1791, 0.3432, 0.4375** is the 20% darker color. If you saturate the color by 10%, you get **76.1948, 0.3450, 0.4447**, and if you desaturate by 10%, it is **80.8154, 0.3306, 0.3870**.

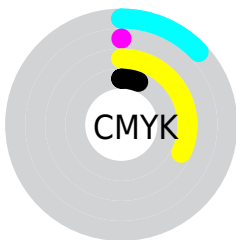
Distribution



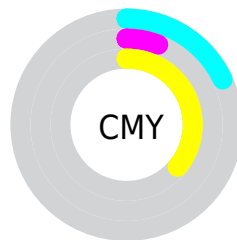
- Red (82%)
- Green (94%)
- Blue (64%)



- Red (64%)
- Yellow (94%)
- Blue (76%)



- Cyan (13%)
- Magenta (0%)
- Yellow (32%)
- Black (6%)



- Cyan (18%)
- Magenta (6%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3744, 0.3382, 0.4156 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 78.3744, 0.3382, 0.4156 by changing the saturation by 10% instead.


 78.3744, 0.3382,
0.4156


 78.3744, 0.3382,
0.4156


489.4374, 0.3276,
0.3747

 58.3816, 0.3402,
0.4251


 131.0778, 0.3348,
0.4013

 42.1155, 0.3426,
0.4368


 164.5571, 0.3334,
0.3957

 29.1917, 0.3452,
0.4517

203.3008, 0.3322,
0.3910

 19.2259, 0.3480,
0.4710

247.6931, 0.3311,
0.3869

 11.8336, 0.3506,
0.4972

298.1186, 0.3301,
0.3832

 6.6305, 0.3518,
0.5338


354.9615, 0.3292,


 3.2321, 0.3608,

0.3801

0.6094


418.6063, 0.3284,
0.3772


 1.2541, 0.3179,
0.6821


 0.1052, 0.0000,
1.0000


 78.3744, 0.3382,
0.4156

 78.3744, 0.3382,
0.4156

 76.1948, 0.3450,
0.4447


 80.8154, 0.3306,
0.3870


 74.2553, 0.3505,
0.4732

 83.5176, 0.3225,
0.3596

 72.5475, 0.3542,
0.4998

 86.4940, 0.3144,
0.3341

 71.0582, 0.3557,
0.5230

 89.4910, 0.3088,
0.3144

■ 69.7724, 0.3548,
0.5416

■ 90.8074, 0.3134,
0.3146

■ 68.6725, 0.3515,
0.5549

■ 67.9120, 0.3476,
0.5622

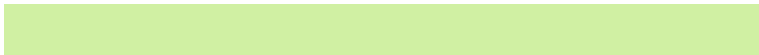
Harmonies

Analogous

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



78.3744, 0.3809, 0.4093



78.3744, 0.3382, 0.4156



78.3744, 0.2906, 0.3931

Triad

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



78.3744, 0.3382, 0.4156



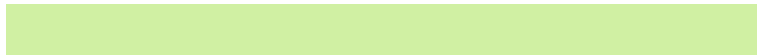
78.3744, 0.2265, 0.2680



78.3744, 0.3764, 0.3068

Complementary

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



78.3744, 0.3382, 0.4156



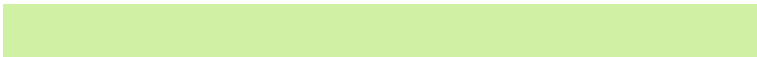
44.1083, 0.2795, 0.2401

Split Complementary

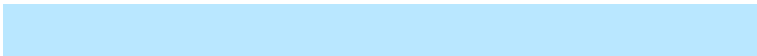
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.3744, 0.3300, 0.2753



78.3744, 0.3382, 0.4156



78.3744, 0.2452, 0.2527

Square

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



78.3744, 0.3382, 0.4156



78.3744, 0.2283, 0.3020



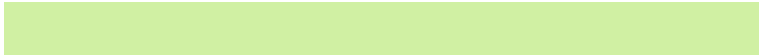
78.3744, 0.2820, 0.2559



78.3744, 0.4051, 0.3446

Rectangle

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



78.3744, 0.3382, 0.4156



78.3744, 0.2626, 0.3650



78.3744, 0.2820, 0.2559



78.3744, 0.3621, 0.2953

Sweetspot

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



78.3778, 0.3382, 0.4156



96.5072, 0.3209, 0.3542



59.6770, 0.3759, 0.3630



20.5570, 0.3220, 0.3579



0.0000, 0.0000, 0.0000



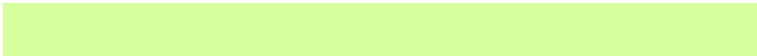
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3778, 0.3382, 0.4156



88.3884, 0.3424, 0.4332



73.6000, 0.3131, 0.4227



18.1122, 0.3204, 0.3528



37.2517, 0.3487, 0.5613



3.1572, 0.3577, 0.5542

Inverse Universe

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



44.1083, 0.2795, 0.2401



43.7729, 0.2716, 0.2214



49.7047, 0.3100, 0.2477



15.5501, 0.3045, 0.3050



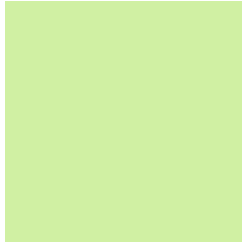
4.9979, 0.1872, 0.0805



0.4728, 0.2018, 0.0886

Previews

White Background



This preview shows how the Yxy color 78.3744, 0.3382, 0.4156 looks on a white background.

Color Contrast Check

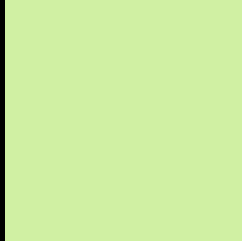
Large Text (above 18pt) WCAG AA × Fail

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 78.3744, 0.3382, 0.4156 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

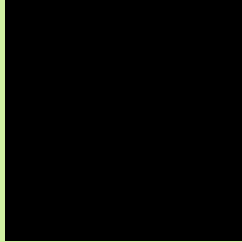
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.3744, 0.3382, 0.4156

Background



This preview shows how black text looks on a background with the Yxy color 78.3744, 0.3382, 0.4156.

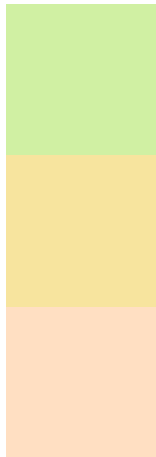


This preview shows how white text looks on a background with the Yxy color 78.3744, 0.3382, 0.4156.

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

78.3744, 0.3382, 0.4156

Protanopia

77.7296, 0.3734, 0.4016

Deuteranopia

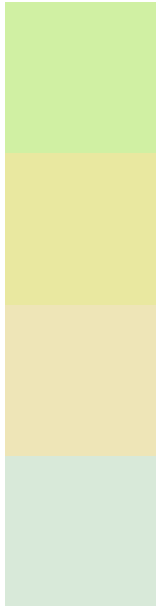
77.9304, 0.3560, 0.3586



Tritanopia

78.0316, 0.2950, 0.3091

Trichromacy



Original Color

78.3744, 0.3382, 0.4156

Protanomaly

77.5749, 0.3603, 0.4062

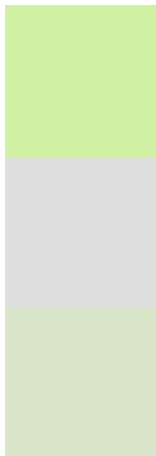
Deuteranomaly

77.6347, 0.3496, 0.3779

Tritanomaly

77.8865, 0.3112, 0.3464

Monochromacy



Original Color

78.3744, 0.3382, 0.4156

Achromatopsia

73.0461, 0.3127, 0.3290

Achromatomaly

75.0074, 0.3224, 0.3600

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3744, 0.3382, 0.4156 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(208, 240, 163)` looks like.

```
.text, #text, p{  
    color:rgb(208, 240, 163)  
}
```

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(208, 240, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 240, 163) }
```

Border

The CSS property to change the border of an element to Yxy 78.3744, 0.3382, 0.4156 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(208, 240, 163) }
```

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

```
.border{ border-color:rgb(208, 240, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 240, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 240, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 240, 163);  
box-shadow:4px 4px 4px 4px rgb(208, 240,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3744, 0.3382, 0.4156 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 240, 163) }
```

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

```
.background{ background-color: rgb(208,  
240, 163) }
```

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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