

Converting Colors

$Y_{xy}(78.2278, 0.3406, 0.4218)$

Have a look what the booklet for
Yxy(78.2278, 0.3406, 0.4218)
contains.

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Color

Yxy(78.0542, 0.3405, 0.4214)

Conversions

Conversions Part 1

Format	Color
Hex	CFF09E
RGB	207, 240, 158
RGB Percent	81%, 94%, 62%
CMY	0.1882, 0.0588, 0.3803
CMYK	0.14, 0.00, 0.34, 0.06
HSL	84°, 73%, 78%
HSV	84°, 34%, 94%
XYZ	63.0694, 78.0542, 44.1023
YIQ	220.7850, 6.6540, -32.4980

Conversions

Conversions Part 2

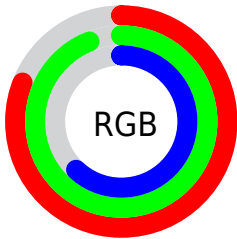
Format	Color
RYB	158, 240, 191
Decimal	13627550
CIELab	90.80, -24.25, 36.17
CIElCh	91, 43.547, 123.846
Yxy	78.0542, 0.3405, 0.4214
Android (android.graphics.Color)	4291817630 (0xFFCFF09E)
YUV	220.7850, -30.9530, -12.0894
Hunter-Lab	88.3483, -27.1832, 32.2470

Details

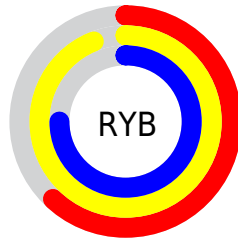
The Yxy color **78.0542, 0.3405, 0.4214** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **41.8333, 0.2760, 0.2335**, and the grayscale version is **72.3709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **41.9970, 0.3452, 0.4434** is the 20% darker color. If you saturate the color by 10%, you get **75.9612, 0.3473, 0.4503**, and if you desaturate by 10%, it is **80.4005, 0.3328, 0.3927**.

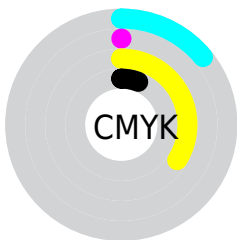
Distribution



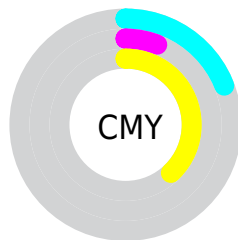
- Red (81%)
- Green (94%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (75%)



- Cyan (14%)
- Magenta (0%)
- Yellow (34%)
- Black (6%)





- Cyan (19%)
- Magenta (6%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0542, 0.3405, 0.4214 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 78.0542, 0.3405, 0.4214 by changing the saturation by 10% instead.


 78.0542, 0.3405,
0.4214


 78.0542, 0.3405,
0.4214


488.3509, 0.3291,
0.3777

 58.1185, 0.3427,
0.4315


 130.6265, 0.3369,
0.4061

 41.9039, 0.3452,
0.4440

 164.0319, 0.3353,
0.4002

 29.0261, 0.3479,
0.4598

202.6961, 0.3340,
0.3951

 19.1005, 0.3507,
0.4804

247.0033, 0.3328,
0.3907

 11.7430, 0.3531,
0.5081

297.3379, 0.3317,
0.3868

 6.5689, 0.3536,
0.5464

354.0845, 0.3307,

 3.1940, 0.3662,

0.3834

0.6338

417.6274, 0.3299,
0.3804

■ 1.2338, 0.3063,
0.6937

■ 0.0891, 0.0000,
1.0000

■ 78.0542, 0.3405,
0.4214

■ 78.0542, 0.3405,
0.4214

■ 75.9612, 0.3473,
0.4503

■ 80.4005, 0.3328,
0.3927

■ 74.1003, 0.3527,
0.4783

■ 83.0001, 0.3245,
0.3651

■ 72.4630, 0.3562,
0.5040

■ 85.8657, 0.3162,
0.3392

■ 71.0359, 0.3574,
0.5261

■ 89.0063, 0.3079,
0.3153

■ 69.8039, 0.3562,
0.5434

■ 90.7999, 0.3134,
0.3146

■ 68.7486, 0.3526,
0.5554

■ 68.1983, 0.3498,
0.5605

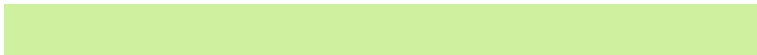
Harmonies

Analogous

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



78.0542, 0.3856, 0.4135



78.0542, 0.3405, 0.4214



78.0542, 0.2901, 0.3983

Triad

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



78.0542, 0.3405, 0.4214



78.0542, 0.2215, 0.2648



78.0542, 0.3794, 0.3045

Complementary

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



78.0542, 0.3405, 0.4214



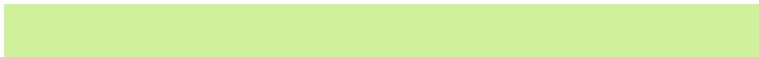
41.8333, 0.2760, 0.2335

Split Complementary

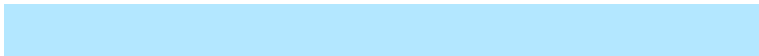
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0542, 0.3298, 0.2718



78.0542, 0.3405, 0.4214



78.0542, 0.2407, 0.2485

Square

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



78.0542, 0.3405, 0.4214



78.0542, 0.2239, 0.3010



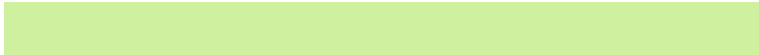
78.0542, 0.2790, 0.2517



78.0542, 0.4105, 0.3442

Rectangle

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



78.0542, 0.3405, 0.4214



78.0542, 0.2603, 0.3683



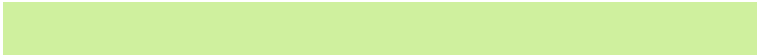
78.0542, 0.2790, 0.2517



78.0542, 0.3641, 0.2925

Sweetspot

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



78.0576, 0.3405, 0.4214



96.5708, 0.3211, 0.3542



58.1772, 0.3811, 0.3653



20.5724, 0.3223, 0.3579



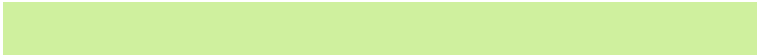
0.0000, 0.0000, 0.0000



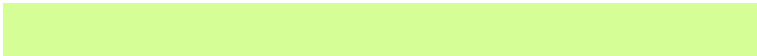
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0576, 0.3405, 0.4214



87.8727, 0.3454, 0.4416



72.9212, 0.3130, 0.4298



18.1234, 0.3206, 0.3528



37.4125, 0.3508, 0.5596



3.1702, 0.3597, 0.5526

Inverse Universe

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



41.8333, 0.2760, 0.2335



40.4507, 0.2664, 0.2117



47.8782, 0.3097, 0.2424



15.5391, 0.3043, 0.3050



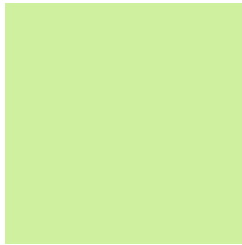
4.8948, 0.1849, 0.0792



0.4637, 0.1996, 0.0873

Previews

White Background



This preview shows how the Yxy color 78.0542, 0.3405, 0.4214 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 78.0542, 0.3405, 0.4214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

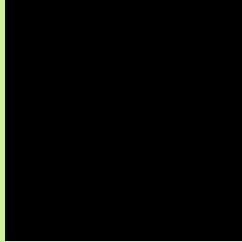
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0542, 0.3405, 0.4214

Background



This preview shows how black text looks on a background with the Yxy color 78.0542, 0.3405, 0.4214.

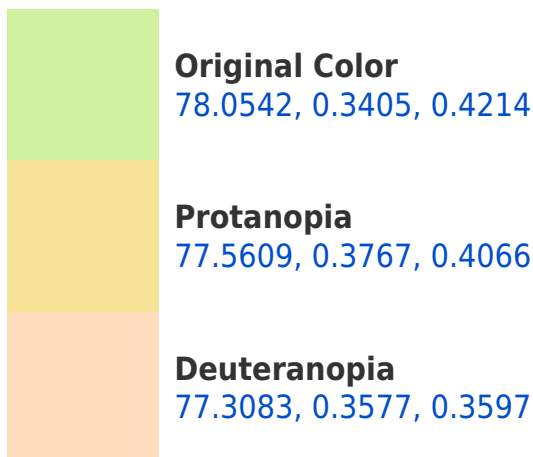


This preview shows how white text looks on a background with the Yxy color 78.0542, 0.3405, 0.4214.

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





Tritanopia

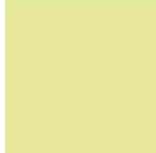
77.9697, 0.2956, 0.3101

Trichromacy



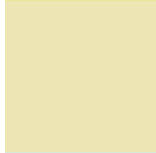
Original Color

78.0542, 0.3405, 0.4214



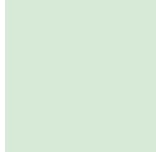
Protanomaly

77.2356, 0.3627, 0.4117



Deuteranomaly

77.5111, 0.3516, 0.3811



Tritanomaly

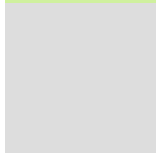
77.6312, 0.3118, 0.3486

Monochromacy



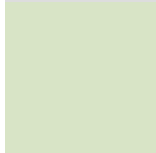
Original Color

78.0542, 0.3405, 0.4214



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

74.1630, 0.3237, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0542, 0.3405, 0.4214 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(207, 240, 158)` looks like.

```
.text, #text, p{  
    color:rgb(207, 240, 158)  
}
```

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(207, 240, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 240, 158) }
```

Border

The CSS property to change the border of an element to Yxy 78.0542, 0.3405, 0.4214 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(207, 240, 158) }
```

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

```
.border{ border-color:rgb(207, 240, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 240, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 240, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 240, 158);  
box-shadow:4px 4px 4px 4px rgb(207, 240,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0542, 0.3405, 0.4214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 240, 158) }
```

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

```
.background{ background-color: rgb(207,  
240, 158) }
```

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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