

Converting Colors

$Yxy(77.1105, 0.3304, 0.4031)$

Have a look what the booklet for
Yxy(77.1105, 0.3304, 0.4031)
contains.

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Color

Yxy(77.1453, 0.3305, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	CDEEAD
RGB	205, 238, 173
RGB Percent	80%, 93%, 68%
CMY	0.1960, 0.0667, 0.3216
CMYK	0.14, 0.00, 0.27, 0.07
HSL	90°, 66%, 81%
HSV	90°, 27%, 93%
XYZ	63.2982, 77.1453, 51.0791
YIQ	220.7230, 1.1970, -27.2110

Conversions

Conversions Part 2

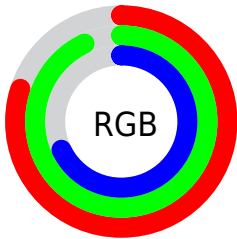
Format	Color
R _{YB}	173, 238, 206
Decimal	13495981
CIE _{Lab}	90.39, -21.93, 28.03
CIE _{LCh}	90, 35.588, 128.047
Y _{xy}	77.1453, 0.3305, 0.4028
Android (android.graphics.Color)	4291686061 (0xFFCDEEAD)
YUV	220.7230, -23.5274, -13.7891
Hunter-Lab	87.8324, -25.0670, 27.0025

Details

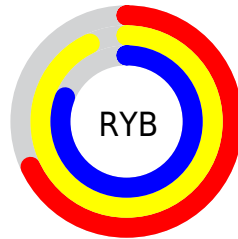
The Yxy color **77.1453, 0.3305, 0.4028** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **49.1683, 0.2901, 0.2555**, and the grayscale version is **72.2734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.4371, 0.3280, 0.3542**, and **41.2960, 0.3336, 0.4214** is the 20% darker color. If you saturate the color by 10%, you get **74.6569, 0.3362, 0.4328**, and if you desaturate by 10%, it is **79.9370, 0.3242, 0.3741**.

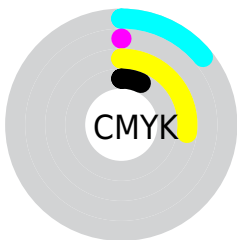
Distribution



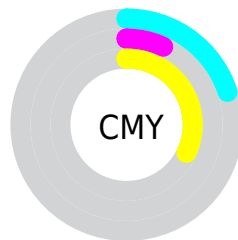
- Red (80%)
- Green (93%)
- Blue (68%)



- Red (68%)
- Yellow (93%)
- Blue (81%)



- Cyan (14%)
- Magenta (0%)
- Yellow (27%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.1453, 0.3305, 0.4028 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 77.1453, 0.3305, 0.4028 by changing the saturation by 10% instead.


 77.1453, 0.3305,
0.4028

 77.1453, 0.3305,
0.4028

485.2593, 0.3231,
0.3678

 57.3721, 0.3319,
0.4109

 129.3446, 0.3281,
0.3905

 41.3041, 0.3336,
0.4211


162.5395, 0.3272,
0.3858

 28.5568, 0.3355,
0.4340


200.9770, 0.3263,
0.3817

 18.7458, 0.3375,
0.4510

245.0417, 0.3255,
0.3782

 11.4867, 0.3395,
0.4743

295.1179, 0.3248,
0.3751

 6.3952, 0.3406,
0.5078


351.5900, 0.3242,


 3.0869, 0.3425,


0.3724

414.8423, 0.3236,
0.3700

0.5662


 1.1772, 0.3214,
0.6786


 0.0430, 0.0000,
1.0000


 77.1453, 0.3305,
0.4028


 77.1453, 0.3305,
0.4028


 74.6569, 0.3362,
0.4328


 79.9370, 0.3242,
0.3741


 72.4499, 0.3408,
0.4630

 83.0328, 0.3176,
0.3473

 70.5153, 0.3439,
0.4922

 86.4463, 0.3109,
0.3226

 68.8391, 0.3452,
0.5188

 89.3091, 0.3124,
0.3126

■ 67.4061, 0.3442,
0.5414

■ 89.6291, 0.3135,
0.3127

■ 66.1988, 0.3411,
0.5586

■ 65.1951, 0.3360,
0.5700

■ 64.9523, 0.3346,
0.5726

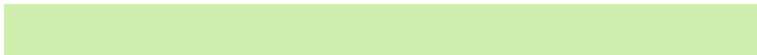
Harmonies

Analogous

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



77.1453, 0.3688, 0.4010



77.1453, 0.3305, 0.4028



77.1453, 0.2890, 0.3805

Triad

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



77.1453, 0.3305, 0.4028



77.1453, 0.2378, 0.2733



77.1453, 0.3721, 0.3135

Complementary

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



77.1453, 0.3305, 0.4028



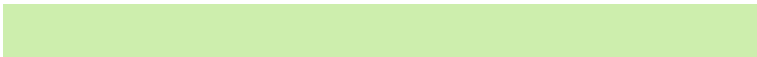
49.1683, 0.2901, 0.2555

Split Complementary

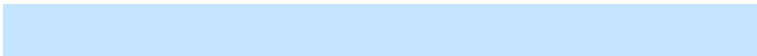
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



77.1453, 0.3332, 0.2846



77.1453, 0.3305, 0.4028



77.1453, 0.2566, 0.2613

Square

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



77.1453, 0.3305, 0.4028



77.1453, 0.2373, 0.3017



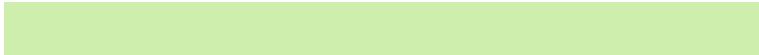
77.1453, 0.2907, 0.2658



77.1453, 0.3945, 0.3474

Rectangle

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



77.1453, 0.3305, 0.4028



77.1453, 0.2652, 0.3554



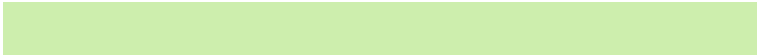
77.1453, 0.2907, 0.2658



77.1453, 0.3604, 0.3030

Sweetspot

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



77.1487, 0.3305, 0.4028



96.8455, 0.3181, 0.3491



65.0914, 0.3627, 0.3646



20.6077, 0.3191, 0.3530



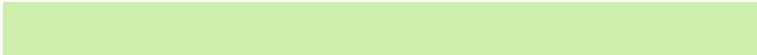
0.0000, 0.0000, 0.0000



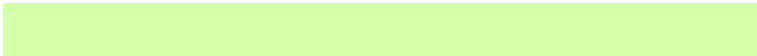
21.4041, 0.3127, 0.3290

Same Dimension

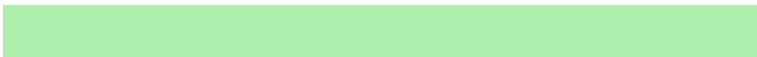
The Same Dimension uses a secret algorithm to generate beautiful new colors.



77.1487, 0.3305, 0.4028



88.5001, 0.3339, 0.4201



73.0477, 0.3090, 0.4079



18.0389, 0.3190, 0.3529



36.3135, 0.3357, 0.5717



3.0800, 0.3456, 0.5638

Inverse Universe

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



49.1683, 0.2901, 0.2555



50.5138, 0.2840, 0.2384



54.2303, 0.3159, 0.2610



15.6227, 0.3059, 0.3052



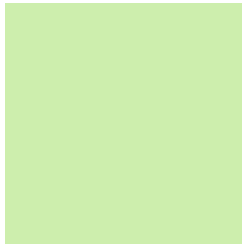
5.7767, 0.2038, 0.0896



0.5398, 0.2179, 0.0974

Previews

White Background



This preview shows how the Yxy color 77.1453, 0.3305, 0.4028 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 77.1453, 0.3305, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

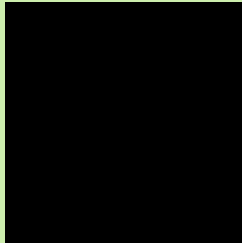
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

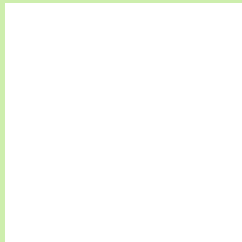
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.1453, 0.3305, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 77.1453, 0.3305, 0.4028.

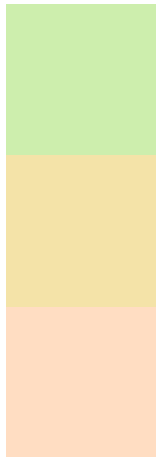


This preview shows how white text looks on a background with the Yxy color 77.1453, 0.3305, 0.4028.

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

77.1453, 0.3305, 0.4028

Protanopia

76.9984, 0.3648, 0.3909

Deuteranopia

76.8679, 0.3565, 0.3566



Tritanopia

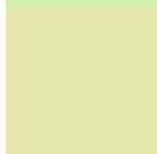
76.8011, 0.2930, 0.3089

Trichromacy



Original Color

77.1453, 0.3305, 0.4028



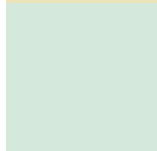
Protanomaly

76.8771, 0.3518, 0.3950



Deuteranomaly

76.4879, 0.3472, 0.3727



Tritanomaly

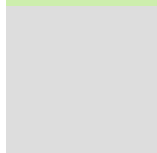
76.8776, 0.3067, 0.3421

Monochromacy



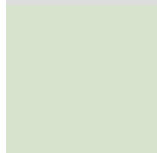
Original Color

77.1453, 0.3305, 0.4028



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

73.7449, 0.3192, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.1453, 0.3305, 0.4028 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(205, 238, 173)` looks like.

```
.text, #text, p{  
    color:rgb(205, 238, 173)  
}
```

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(205, 238, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 238, 173) }
```

Border

The CSS property to change the border of an element to Yxy 77.1453, 0.3305, 0.4028 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(205, 238, 173) }
```

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

```
.border{ border-color:rgb(205, 238, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 238, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(205, 238, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(205, 238, 173); box-shadow:4px 4px 4px 4px rgb(205, 238, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 77.1453, 0.3305, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 238, 173) }
```

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

```
.background{ background-color: rgb(205,  
238, 173) }
```

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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