

Converting Colors

$Yxy(77.9563, 0.3401, 0.4558)$

Have a look what the booklet for
Yxy(77.9563, 0.3401, 0.4558)
contains.

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Color

Yxy(78.0012, 0.3404, 0.4557)

Conversions

Conversions Part 1

Format	Color
Hex	BEF587
RGB	190, 245, 135
RGB Percent	75%, 96%, 53%
CMY	0.2548, 0.0392, 0.4706
CMYK	0.22, 0.00, 0.45, 0.04
HSL	90°, 85%, 75%
HSV	90°, 45%, 96%
XYZ	58.2655, 78.0012, 34.9011
YIQ	216.0150, 2.5300, -45.8700

Conversions

Conversions Part 2

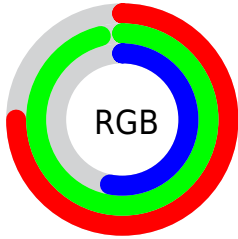
Format	Color
RYB	135, 245, 190
Decimal	12514695
CIELab	90.78, -35.52, 47.23
CIElCh	91, 59.093, 126.943
Yxy	78.0012, 0.3404, 0.4557
Android (android.graphics.Color)	4290704775 (0xFFBEF587)
YUV	216.0150, -39.9404, -22.8152
Hunter-Lab	88.3183, -36.7966, 38.3929

Details

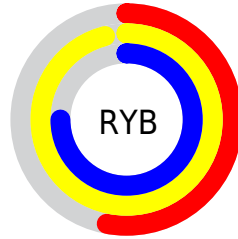
The Yxy color **78.0012, 0.3404, 0.4557** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **34.8590, 0.2697, 0.2028**, and the grayscale version is **68.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1942, 0.3467, 0.3940**, and **41.6593, 0.3427, 0.4860** is the 20% darker color. If you saturate the color by 10%, you get **75.8810, 0.3440, 0.4852**, and if you desaturate by 10%, it is **80.4194, 0.3353, 0.4255**.

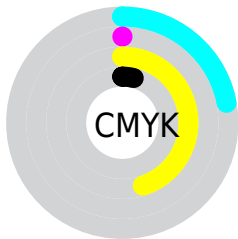
Distribution



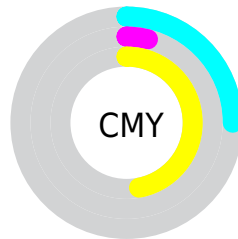
- Red (75%)
- Green (96%)
- Blue (53%)



- Red (53%)
- Yellow (96%)
- Blue (75%)



- Cyan (22%)
- Magenta (0%)
- Yellow (45%)
- Black (4%)



- Cyan (25%)
- Magenta (4%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.0012, 0.3404, 0.4557 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 78.0012, 0.3404, 0.4557 by changing the saturation by 10% instead.


 78.0012, 0.3404,
0.4557


 78.0012, 0.3404,
0.4557


488.1709, 0.3304,
0.3952

 58.0750, 0.3418,
0.4697


 130.5518, 0.3376,
0.4345

 41.8689, 0.3431,
0.4870


 163.9450, 0.3363,
0.4263

 28.9987, 0.3439,
0.5087


 202.5959, 0.3351,
0.4193

 19.0798, 0.3436,
0.5366

246.8890, 0.3340,
0.4132

 11.7280, 0.3403,
0.5731

297.2087, 0.3330,
0.4078

 6.5587, 0.3335,
0.6274

353.9393, 0.3320,

 3.1877, 0.3075,

0.4031

0.6925

417.4652, 0.3312,
0.3989

■ 1.2305, 0.1785,
0.8215

■ 0.0864, 0.0000,
1.0000

■ 78.0012, 0.3404,
0.4557

■ 78.0012, 0.3404,
0.4557

■ 75.8810, 0.3440,
0.4852

■ 80.4194, 0.3353,
0.4255

■ 74.0344, 0.3459,
0.5125


■ 83.1384, 0.3293,
0.3958

■ 72.4488, 0.3455,
0.5360


■ 86.1740, 0.3228,
0.3675

■ 71.1063, 0.3430,
0.5545

■ 89.5375, 0.3160,
0.3411

 69.9855, 0.3383,
0.5671

 93.0784, 0.3108,
0.3194

 69.4847, 0.3355,
0.5718

 93.7846, 0.3132,
0.3194

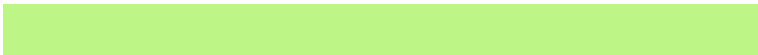
Harmonies

Analogous

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



78.0012, 0.4028, 0.4442



78.0012, 0.3404, 0.4557



78.0012, 0.2739, 0.4203

Triad

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



78.0012, 0.3404, 0.4557



78.0012, 0.1947, 0.2392



78.0012, 0.4092, 0.3004

Complementary

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



78.0012, 0.3404, 0.4557



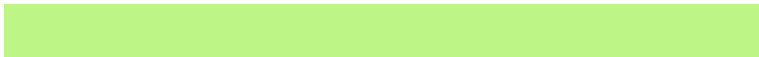
34.8590, 0.2697, 0.2028

Split Complementary

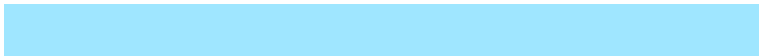
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0012, 0.3423, 0.2576



78.0012, 0.3404, 0.4557



78.0012, 0.2216, 0.2226

Square

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



78.0012, 0.3404, 0.4557



78.0012, 0.1943, 0.2829



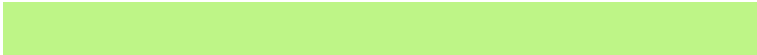
78.0012, 0.2732, 0.2300



78.0012, 0.4476, 0.3513

Rectangle

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



78.0012, 0.3404, 0.4557



78.0012, 0.2364, 0.3754



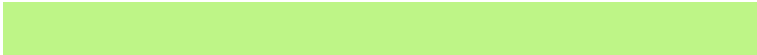
78.0012, 0.2732, 0.2300



78.0012, 0.3888, 0.2848

Sweetspot

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



78.0046, 0.3404, 0.4557



95.0386, 0.3215, 0.3624



57.1964, 0.4056, 0.3864



20.1751, 0.3230, 0.3684



0.0000, 0.0000, 0.0000



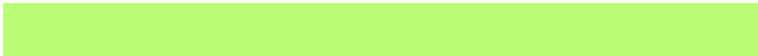
21.4041, 0.3127, 0.3290

Same Dimension

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



78.0046, 0.3404, 0.4557



83.2750, 0.3438, 0.4829



72.3569, 0.3071, 0.4697



18.8793, 0.3191, 0.3529



37.5153, 0.3366, 0.5709



3.3583, 0.3460, 0.5634

Inverse Universe

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



34.8590, 0.2697, 0.2028



30.4648, 0.2580, 0.1758



43.0016, 0.3162, 0.2188



16.3334, 0.3058, 0.3051



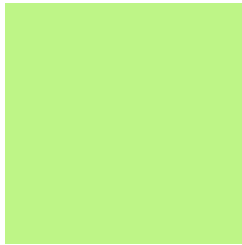
5.8794, 0.2022, 0.0888



0.5778, 0.2157, 0.0962

Previews

White Background



This preview shows how the Yxy color 78.0012, 0.3404, 0.4557 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 78.0012, 0.3404, 0.4557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

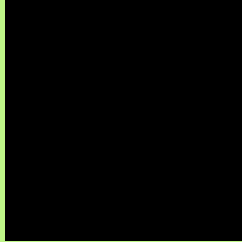
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0012, 0.3404, 0.4557

Background



This preview shows how black text looks on a background with the Yxy color 78.0012, 0.3404, 0.4557.

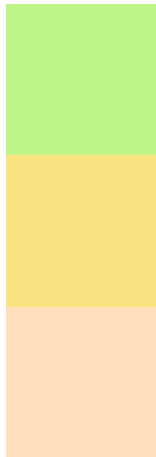


This preview shows how white text looks on a background with the Yxy color 78.0012, 0.3404, 0.4557.

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

78.0012, 0.3404, 0.4557

Protanopia

77.3958, 0.3941, 0.4288

Deuteranopia

77.0904, 0.3613, 0.3649



Tritanopia

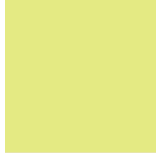
77.8808, 0.2858, 0.3098

Trichromacy



Original Color

78.0012, 0.3404, 0.4557



Protanomaly

76.9783, 0.3736, 0.4389



Deuteranomaly

76.4097, 0.3541, 0.3961



Tritanomaly

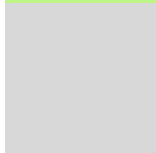
77.5399, 0.3066, 0.3615

Monochromacy



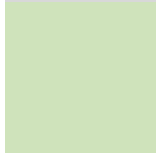
Original Color

78.0012, 0.3404, 0.4557



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

71.7914, 0.3246, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0012, 0.3404, 0.4557 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(190, 245, 135)` looks like.

```
.text, #text, p{  
    color:rgb(190, 245, 135)  
}
```

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(190, 245, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 245, 135) }
```

Border

The CSS property to change the border of an element to Yxy 78.0012, 0.3404, 0.4557 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(190, 245, 135) }
```

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

```
.border{ border-color:rgb(190, 245, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 245, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 245, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 245, 135);  
box-shadow:4px 4px 4px 4px rgb(190, 245,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0012, 0.3404, 0.4557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 245, 135) }
```

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

```
.background{ background-color: rgb(190,  
245, 135) }
```

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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