

Converting Colors

$Yxy(80.1897, 0.3221, 0.3767)$

Have a look what the booklet for
Yxy(80.1897, 0.3221, 0.3767)
contains.

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Color

Yxy(80.0147, 0.3224, 0.3763)

Conversions

Conversions Part 1

Format	Color
Hex	D6EFC4
RGB	214, 239, 196
RGB Percent	84%, 94%, 77%
CMY	0.1610, 0.0627, 0.2313
CMYK	0.10, 0.00, 0.18, 0.06
HSL	95°, 57%, 85%
HSV	95°, 18%, 94%
XYZ	68.5537, 80.0147, 64.0670
YIQ	226.6230, -1.0970, -18.6730

Conversions

Conversions Part 2

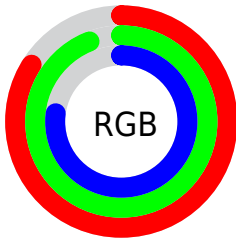
Format	Color
RYB	196, 239, 221
Decimal	14086084
CIELab	91.69, -15.79, 18.08
CIELCh	92, 24.003, 131.120
Yxy	80.0147, 0.3224, 0.3763
Android (android.graphics.Color)	4292276164 (0xFFD6EFC4)
YUV	226.6230, -15.0971, -11.0704
Hunter-Lab	89.4509, -19.7398, 20.1506

Details

The Yxy color **80.0147, 0.3224, 0.3763** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.1072, 0.3013, 0.2825**, and the grayscale version is **76.6379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8718, 0.3139, 0.3309**, and **43.1909, 0.3244, 0.3880** is the 20% darker color. If you saturate the color by 10%, you get **77.0080, 0.3274, 0.4056**, and if you desaturate by 10%, it is **83.3810, 0.3171, 0.3491**.

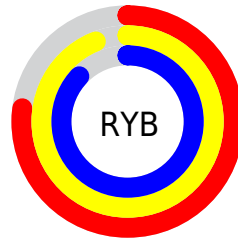
Distribution



Red (84%)

Green (94%)

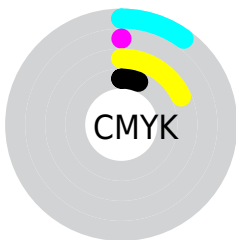
Blue (77%)



Red (77%)

Yellow (94%)

Blue (87%)

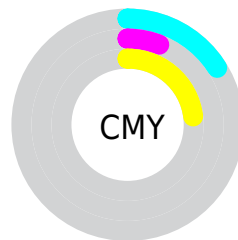


Cyan (10%)

Magenta (0%)

Yellow (18%)

Black (6%)



Cyan (16%)


Magenta (6%)


Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.0147, 0.3224, 0.3763 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 80.0147, 0.3224, 0.3763 by changing the saturation by 10% instead.


 80.0147, 0.3224,
0.3763

 80.0147, 0.3224,
0.3763


494.9824, 0.3183,
0.3542

 59.7304, 0.3232,
0.3814


133.3864, 0.3211,
0.3686

 43.2014, 0.3242,
0.3877


167.2426, 0.3205,
0.3656

 30.0432, 0.3254,
0.3957


206.3917, 0.3200,
0.3630

 19.8714, 0.3268,
0.4063

251.2179, 0.3196,
0.3608

 12.3016, 0.3284,
0.4207

302.1056, 0.3192,
0.3589

 6.9494, 0.3302,
0.4415

359.4394, 0.3189,

 3.4305, 0.3317,

0.3571

0.4742

423.6035, 0.3186,
0.3556

1.3604, 0.3595,
0.5788

0.1873, 0.0000,
1.0000

80.0147, 0.3224,
0.3763

80.0147, 0.3224,
0.3763

77.0080, 0.3274,
0.4056

83.3810, 0.3171,
0.3491

74.3379, 0.3318,
0.4365

87.1084, 0.3116,
0.3242

71.9943, 0.3351,
0.4677

90.2223, 0.3134,
0.3136

69.9627, 0.3370,
0.4981

■ 68.2273, 0.3371,
0.5258

■ 66.7705, 0.3353,
0.5491

■ 65.5724, 0.3315,
0.5667

■ 64.6070, 0.3261,
0.5782

■ 64.4345, 0.3250,
0.5802

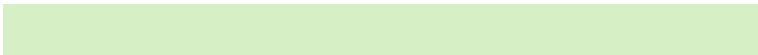
Harmonies

Analogous

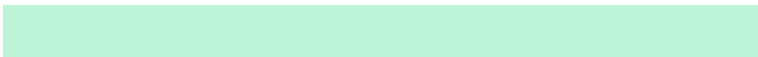
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0147, 0.3484, 0.3778



80.0147, 0.3224, 0.3763



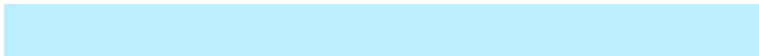
80.0147, 0.2946, 0.3603

Triad

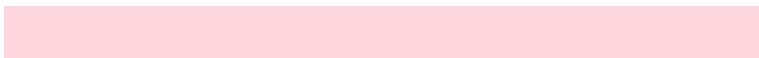
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.0147, 0.3224, 0.3763



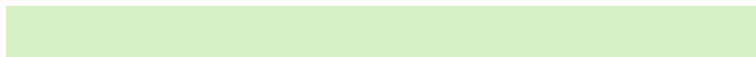
80.0147, 0.2624, 0.2905



80.0147, 0.3543, 0.3213

Complementary

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



80.0147, 0.3224, 0.3763



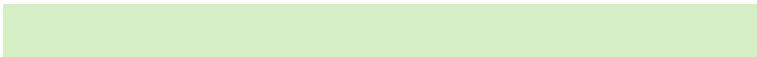
61.1072, 0.3013, 0.2825

Split Complementary

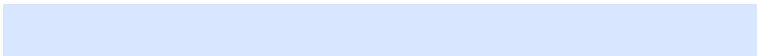
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.0147, 0.3296, 0.3005



80.0147, 0.3224, 0.3763



80.0147, 0.2768, 0.2827

Square

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



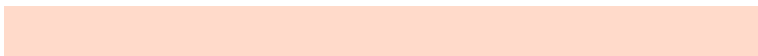
80.0147, 0.3224, 0.3763



80.0147, 0.2608, 0.3092



80.0147, 0.3011, 0.2866



80.0147, 0.3676, 0.3448

Rectangle

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



80.0147, 0.3224, 0.3763



80.0147, 0.2788, 0.3439



80.0147, 0.3011, 0.2866



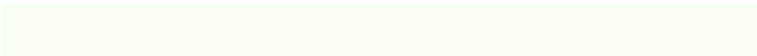
80.0147, 0.3470, 0.3138

Sweetspot

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



80.0182, 0.3224, 0.3763



97.8235, 0.3154, 0.3414



73.7285, 0.3431, 0.3550



20.8746, 0.3158, 0.3432



0.0000, 0.0000, 0.0000



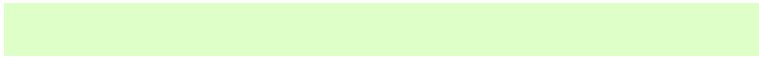
21.4041, 0.3127, 0.3290

Same Dimension

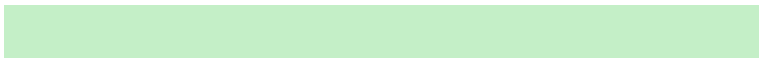
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0182, 0.3224, 0.3763



91.2160, 0.3245, 0.3881



77.5991, 0.3087, 0.3747



17.9784, 0.3179, 0.3530



35.6755, 0.3261, 0.5793



3.0250, 0.3364, 0.5711

Inverse Universe

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



61.1072, 0.3013, 0.2825



65.1097, 0.2982, 0.2712



63.9076, 0.3169, 0.2872



15.6838, 0.3071, 0.3052



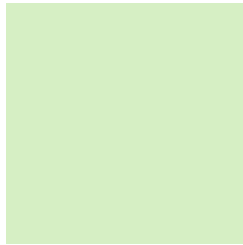
6.5707, 0.2195, 0.0983



0.6049, 0.2324, 0.1054

Previews

White Background



This preview shows how the Yxy color 80.0147, 0.3224, 0.3763 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 80.0147, 0.3224, 0.3763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

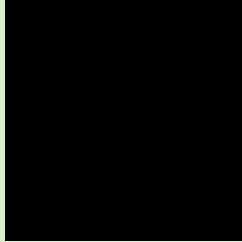
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

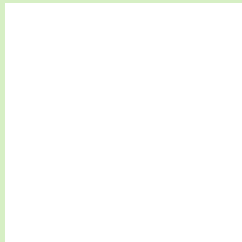
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0147, 0.3224, 0.3763

Background



This preview shows how black text looks on a background with the Yxy color 80.0147, 0.3224, 0.3763.

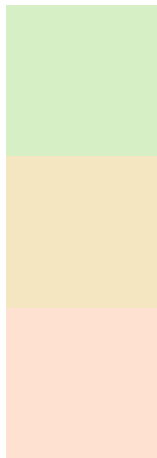


This preview shows how white text looks on a background with the Yxy color 80.0147, 0.3224, 0.3763.

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

80.0147, 0.3224, 0.3763

Protanopia

79.6325, 0.3477, 0.3686

Deuteranopia

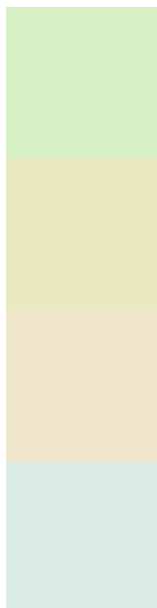
79.7139, 0.3451, 0.3452



Tritanopia

80.1449, 0.2952, 0.3103

Trichromacy



Original Color

80.0147, 0.3224, 0.3763

Protanomaly

79.4517, 0.3385, 0.3716

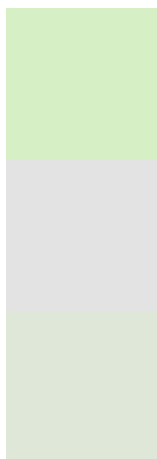
Deuteranomaly

79.4785, 0.3367, 0.3562

Tritanomaly

80.1899, 0.3052, 0.3343

Monochromacy



Original Color

80.0147, 0.3224, 0.3763

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

77.6393, 0.3161, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0147, 0.3224, 0.3763 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(214, 239, 196)` looks like.

```
.text, #text, p{  
    color:rgb(214, 239, 196)  
}
```

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(214, 239, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 239, 196) }
```

Border

The CSS property to change the border of an element to Yxy 80.0147, 0.3224, 0.3763 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(214, 239, 196) }
```

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

```
.border{ border-color:rgb(214, 239, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 239, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(214, 239, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(214, 239, 196); box-shadow:4px 4px 4px 4px rgb(214, 239, 196) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0147, 0.3224, 0.3763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 239, 196) }
```

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

```
.background{ background-color: rgb(214,  
239, 196) }
```

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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