

Converting Colors

$Yxy(83.2360, 0.3117, 0.3553)$

Have a look what the booklet for
Yxy(83.2360, 0.3117, 0.3553)
contains.

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Color

Yxy(83.4194, 0.3121, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2D9
RGB	218, 242, 217
RGB Percent	85%, 95%, 85%
CMY	0.1451, 0.0510, 0.1489
CMYK	0.10, 0.00, 0.10, 0.05
HSL	118°, 49%, 90%
HSV	118°, 10%, 95%
XYZ	73.1943, 83.4194, 77.9081
YIQ	231.9740, -6.2790, -12.8630

Conversions

Conversions Part 2

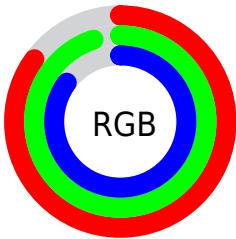
Format	Color
R _Y B	217, 242, 241
Decimal	14349017
CIE Lab	93.20, -12.38, 9.39
CIE LCh	93, 15.537, 142.826
Yxy	83.4194, 0.3121, 0.3557
Android (android.graphics.Color)	4292539097 (0xFFDAF2D9)
YUV	231.9740, -7.3822, -12.2552
Hunter-Lab	91.3342, -16.7869, 13.3596

Details

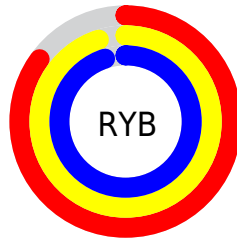
The Yxy color **83.4194, 0.3121, 0.3557** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.7564, 0.3132, 0.3036**, and the grayscale version is **80.7396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5130, 0.3120, 0.3624** is the 20% darker color. If you saturate the color by 10%, you get **78.9173, 0.3113, 0.3851**, and if you desaturate by 10%, it is **88.6161, 0.3127, 0.3298**.

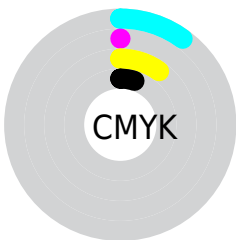
Distribution



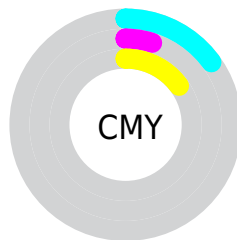
- Red (85%)
- Green (95%)
- Blue (85%)



- Red (85%)
- Yellow (95%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (5%)





- Cyan (15%)
- Magenta (5%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.4194, 0.3121, 0.3557 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 83.4194, 0.3121, 0.3557 by changing the saturation by 10% instead.


 83.4194, 0.3121,
0.3557

 83.4194, 0.3121,
0.3557

506.3832, 0.3125,
0.3434

 62.5362, 0.3120,
0.3585


138.1627, 0.3123,
0.3514

 45.4661, 0.3118,
0.3619


172.7916, 0.3123,
0.3498

 31.8247, 0.3116,
0.3663


212.7712, 0.3124,
0.3484

 21.2276, 0.3113,
0.3720

258.4859, 0.3124,
0.3471

 13.2905, 0.3108,
0.3797

310.3200, 0.3124,
0.3460

 7.6289, 0.3100,
0.3907

368.6580, 0.3124,

 3.8584, 0.3086,

0.3451

0.4079

433.8843, 0.3125,
0.3442

■ 1.5947, 0.3052,
0.4381

■ 0.3540, 0.0882,
0.9118

■ 83.4194, 0.3121,
0.3557

■ 83.4194, 0.3121,
0.3557

■ 78.9173, 0.3113,
0.3851

■ 88.6161, 0.3127,
0.3298

■ 75.0704, 0.3103,
0.4176

■ 91.9850, 0.3133,
0.3165

■ 71.8513, 0.3091,
0.4526

■ 69.2267, 0.3077,
0.4884

■ 67.1603, 0.3061,
0.5229

■ 65.6115, 0.3044,
0.5533

■ 64.5346, 0.3028,
0.5771

■ 63.8756, 0.3015,
0.5924

■ 63.5662, 0.3006,
0.5995

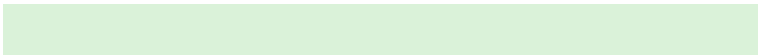
Harmonies

Analogous

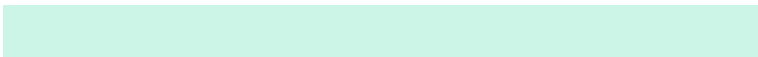
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.4194, 0.3297, 0.3606



83.4194, 0.3121, 0.3557



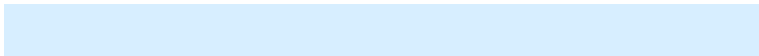
83.4194, 0.2950, 0.3430

Triad

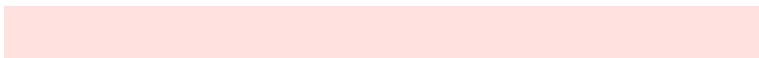
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.4194, 0.3121, 0.3557



83.4194, 0.2830, 0.3014



83.4194, 0.3435, 0.3303

Complementary

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



83.4194, 0.3121, 0.3557



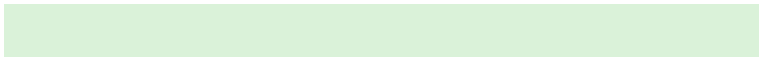
74.7564, 0.3132, 0.3036

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.



83.4194, 0.3303, 0.3155



83.4194, 0.3121, 0.3557



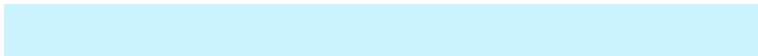
83.4194, 0.2953, 0.2990

Square

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



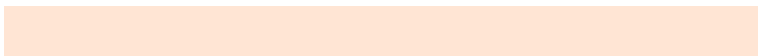
83.4194, 0.3121, 0.3557



83.4194, 0.2785, 0.3113



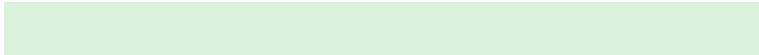
83.4194, 0.3125, 0.3042



83.4194, 0.3482, 0.3453

Rectangle

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



83.4194, 0.3121, 0.3557



83.4194, 0.2861, 0.3321



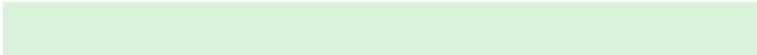
83.4194, 0.3125, 0.3042



83.4194, 0.3399, 0.3252

Sweetspot

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



83.4230, 0.3121, 0.3557



98.1495, 0.3126, 0.3364



86.6530, 0.3282, 0.3532



20.9048, 0.3125, 0.3384



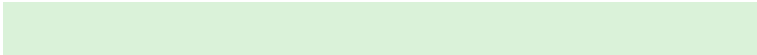
0.0000, 0.0000, 0.0000



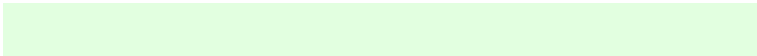
21.4041, 0.3127, 0.3290

Same Dimension

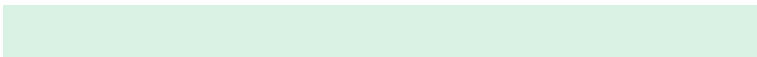
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.4230, 0.3121, 0.3557



93.0276, 0.3120, 0.3605



83.8775, 0.3048, 0.3435



17.6859, 0.3122, 0.3534



34.1615, 0.3008, 0.5993



2.8522, 0.3031, 0.5976

Inverse Universe

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



74.7564, 0.3132, 0.3036



81.7798, 0.3133, 0.2993



74.2745, 0.3215, 0.3149



15.9980, 0.3132, 0.3057



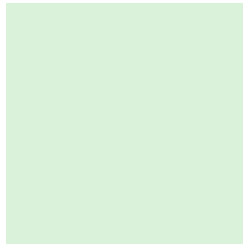
12.7212, 0.3112, 0.1488



1.0680, 0.3125, 0.1495

Previews

White Background



This preview shows how the Yxy color 83.4194, 0.3121, 0.3557 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 83.4194, 0.3121, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

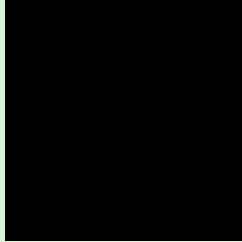
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

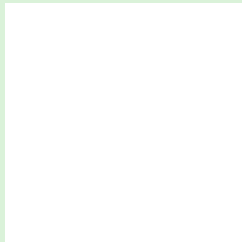
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.4194, 0.3121, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 83.4194, 0.3121, 0.3557.



This preview shows how white text looks on a background with the Yxy color 83.4194, 0.3121, 0.3557.

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

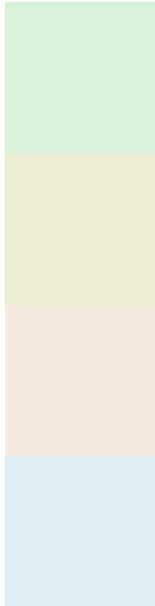




Tritanopia

83.0582, 0.2936, 0.3095

Trichromacy



Original Color

83.4194, 0.3121, 0.3557

Protanomaly

83.0856, 0.3258, 0.3530

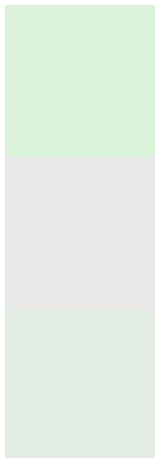
Deuteranomaly

82.9968, 0.3258, 0.3413

Tritanomaly

83.0295, 0.3005, 0.3258

Monochromacy



Original Color

83.4194, 0.3121, 0.3557

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.8678, 0.3123, 0.3384

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.4194, 0.3121, 0.3557 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(218, 242, 217)` looks like.

```
.text, #text, p{  
    color:rgb(218, 242, 217)  
}
```

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(218, 242, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 217) }
```

Border

The CSS property to change the border of an element to Yxy 83.4194, 0.3121, 0.3557 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(218, 242, 217) }
```

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

```
.border{ border-color:rgb(218, 242, 217) }
```

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

Here you see how a box with a 4 pixel rgb(218, 242, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 217);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 83.4194, 0.3121, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 242, 217) }
```

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

```
.background{ background-color: rgb(218,  
242, 217) }
```

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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