

Converting Colors

Yxy(86.8431, 0.3069, 0.3480)

Have a look what the booklet for
Yxy(86.8431, 0.3069, 0.3480)
contains.

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Color

Yxy(86.7286, 0.3067, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	DCF6E4
RGB	220, 246, 228
RGB Percent	86%, 96%, 89%
CMY	0.1375, 0.0352, 0.1059
CMYK	0.11, 0.00, 0.07, 0.04
HSL	139°, 59%, 91%
HSV	139°, 11%, 96%
XYZ	76.4578, 86.7286, 86.1054
YIQ	236.1740, -9.7180, -11.1100

Conversions

Conversions Part 2

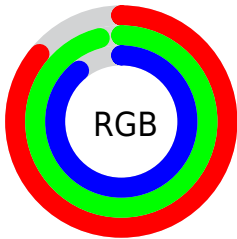
Format	Color
R _Y B	220, 240, 246
Decimal	14481124
CIE Lab	94.62, -11.81, 5.78
CIE LCh	95, 13.149, 153.925
Yxy	86.7286, 0.3067, 0.3479
Android (android.graphics.Color)	4292671204 (0xFFDCE6E4)
YUV	236.1740, -4.0298, -14.1846
Hunter-Lab	93.1282, -16.4267, 10.3708

Details

The Yxy color **86.7286, 0.3067, 0.3479** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.9173, 0.3193, 0.3108**, and the grayscale version is **84.0514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.8434, 0.3052, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **82.2752, 0.3011, 0.3680**, and if you desaturate by 10%, it is **91.8470, 0.3124, 0.3300**.

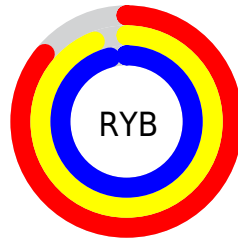
Distribution



Red (86%)

Green (96%)

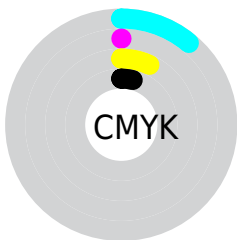
Blue (89%)



Red (86%)

Yellow (94%)

Blue (96%)

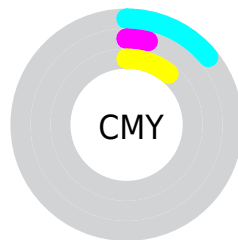


Cyan (11%)

Magenta (0%)

Yellow (7%)

Black (4%)



Cyan (14%)


Magenta (4%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7286, 0.3067, 0.3479 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 86.7286, 0.3067, 0.3479 by changing the saturation by 10% instead.


 86.7286, 0.3067,
0.3479

 86.7286, 0.3067,
0.3479

517.3306, 0.3095,
0.3393

 65.2706, 0.3061,
0.3498

142.7858, 0.3077,
0.3449

 47.6806, 0.3053,
0.3522

178.1538, 0.3080,
0.3438

 33.5740, 0.3043,
0.3552


218.9273, 0.3083,
0.3428

 22.5665, 0.3031,
0.3591

265.4907, 0.3086,
0.3419

 14.2738, 0.3014,
0.3643

318.2283, 0.3089,
0.3411

 8.3113, 0.2989,
0.3716

377.5245, 0.3091,

 4.2948, 0.2951,

0.3405

0.3829

443.7639, 0.3093,
0.3399

■ 1.8398, 0.2886,
0.4022

■ 0.5118, 0.2295,
0.5930

■ 86.7286, 0.3067,
0.3479

■ 86.7286, 0.3067,
0.3479

■ 82.2752, 0.3011,
0.3680

■ 91.8470, 0.3124,
0.3300


■ 78.4486, 0.2958,
0.3904

■ 94.4064, 0.3131,
0.3204


■ 75.2231, 0.2910,
0.4148


■ 72.5673, 0.2871,
0.4408

 70.4467, 0.2844,
0.4677

 68.8230, 0.2832,
0.4944

 67.6523, 0.2837,
0.5197

 66.8829, 0.2859,
0.5424

 66.4489, 0.2890,
0.5603

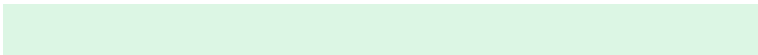
Harmonies

Analogous

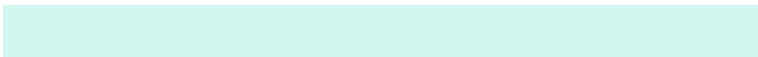
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7286, 0.3218, 0.3546



86.7286, 0.3067, 0.3479



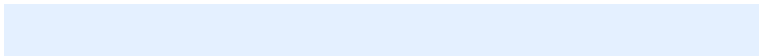
86.7286, 0.2935, 0.3357

Triad

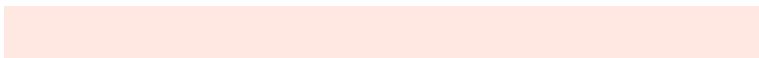
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7286, 0.3067, 0.3479



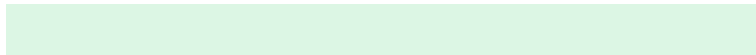
86.7286, 0.2910, 0.3044



86.7286, 0.3408, 0.3350

Complementary

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



86.7286, 0.3067, 0.3479



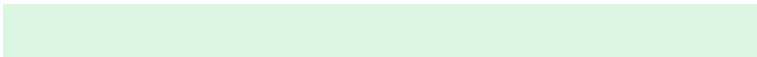
76.9173, 0.3193, 0.3108

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.



86.7286, 0.3321, 0.3221



86.7286, 0.3067, 0.3479



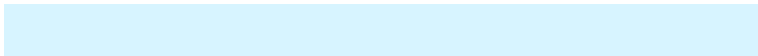
86.7286, 0.3032, 0.3047

Square

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



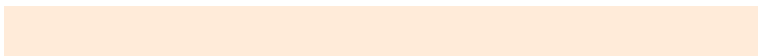
86.7286, 0.3067, 0.3479



86.7286, 0.2846, 0.3105



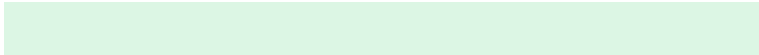
86.7286, 0.3183, 0.3112



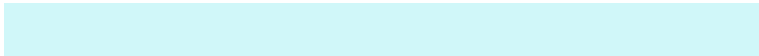
86.7286, 0.3417, 0.3467

Rectangle

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



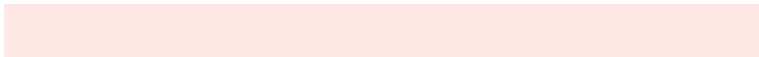
86.7286, 0.3067, 0.3479



86.7286, 0.2874, 0.3265



86.7286, 0.3183, 0.3112



86.7286, 0.3387, 0.3307

Sweetspot

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



86.7323, 0.3067, 0.3479



98.2421, 0.3110, 0.3341



89.3010, 0.3233, 0.3556



20.9297, 0.3106, 0.3355



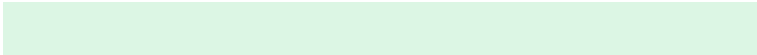
0.0000, 0.0000, 0.0000



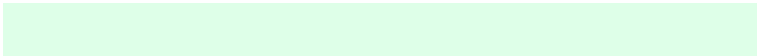
21.4041, 0.3127, 0.3290

Same Dimension

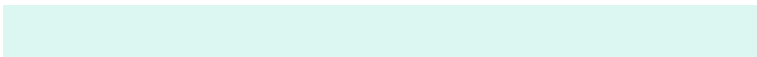
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7323, 0.3067, 0.3479



92.8577, 0.3053, 0.3526



87.4703, 0.2993, 0.3344



18.5564, 0.3073, 0.3458



35.4819, 0.2882, 0.5575



3.1362, 0.2813, 0.5326

Inverse Universe

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



76.9173, 0.3193, 0.3108



80.0004, 0.3210, 0.3065



76.1911, 0.3280, 0.3237



16.6760, 0.3185, 0.3128



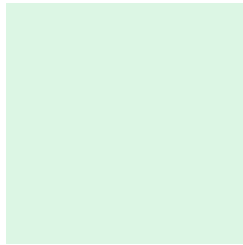
12.0324, 0.4181, 0.2077



1.0759, 0.4029, 0.1993

Previews

White Background



This preview shows how the Yxy color 86.7286, 0.3067, 0.3479 looks on a white background.

Color Contrast Check

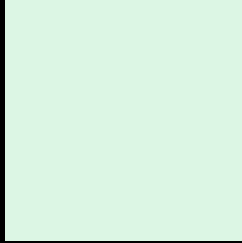
Large Text (above 18pt) WCAG AA × Fail

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 86.7286, 0.3067, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

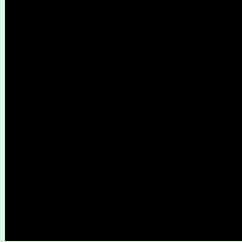
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

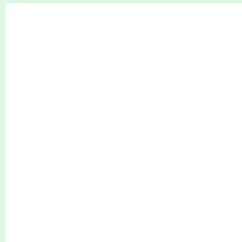
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7286, 0.3067, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 86.7286, 0.3067, 0.3479.

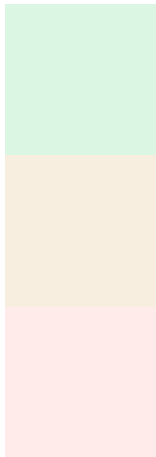


This preview shows how white text looks on a background with the Yxy color 86.7286, 0.3067, 0.3479.

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

86.7286, 0.3067, 0.3479

Protanopia

86.3050, 0.3275, 0.3431

Deuteranopia

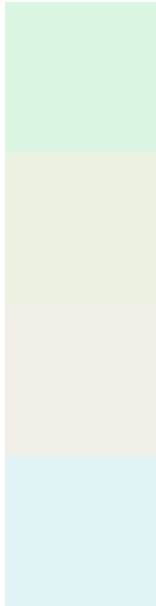
86.6172, 0.3269, 0.3300



Tritanopia

86.7886, 0.2968, 0.3148

Trichromacy



Original Color

86.7286, 0.3067, 0.3479

Protanomaly

86.3514, 0.3199, 0.3454

Deuteranomaly

86.4364, 0.3190, 0.3361

Tritanomaly

86.8625, 0.3007, 0.3269

Monochromacy



Original Color

86.7286, 0.3067, 0.3479

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

85.0264, 0.3104, 0.3362

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7286, 0.3067, 0.3479 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(220, 246, 228)` looks like.

```
.text, #text, p{  
    color:rgb(220, 246, 228)  
}
```

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(220, 246, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 246, 228) }
```

Border

The CSS property to change the border of an element to Yxy 86.7286, 0.3067, 0.3479 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(220, 246, 228) }
```

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

```
.border{ border-color:rgb(220, 246, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 246, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 246, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 246, 228);  
box-shadow:4px 4px 4px 4px rgb(220, 246,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7286, 0.3067, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 246, 228) }
```

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

```
.background{ background-color: rgb(220,  
246, 228) }
```

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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