

Converting Colors

$Yxy(87.0247, 0.2994, 0.3416)$

Have a look what the booklet for
Yxy(87.0247, 0.2994, 0.3416)
contains.

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Color

Yxy(86.9668, 0.2996, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	D7F7EB
RGB	215, 247, 235
RGB Percent	84%, 97%, 92%
CMY	0.1569, 0.0313, 0.0785
CMYK	0.13, 0.00, 0.05, 0.03
HSL	157°, 67%, 91%
HSV	157°, 13%, 97%
XYZ	76.2742, 86.9668, 91.3457
YIQ	236.0640, -15.2200, -10.5160

Conversions

Conversions Part 2

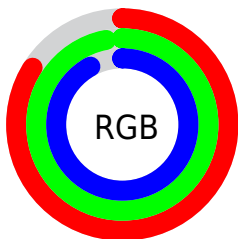
Format	Color
RYB	215, 235, 247
Decimal	14153707
CIELab	94.72, -12.62, 2.28
CIElCh	95, 12.823, 169.777
Yxy	86.9668, 0.2996, 0.3416
Android (android.graphics.Color)	4292343787 (0xFFD7F7EB)
YUV	236.0640, -0.5246, -18.4731
Hunter-Lab	93.2560, -17.2027, 7.2037

Details

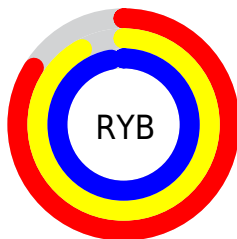
The Yxy color **86.9668, 0.2996, 0.3416** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.9167, 0.3279, 0.3167**, and the grayscale version is **83.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9899, 0.2969, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **82.9869, 0.2900, 0.3525**, and if you desaturate by 10%, it is **91.5466, 0.3097, 0.3317**.

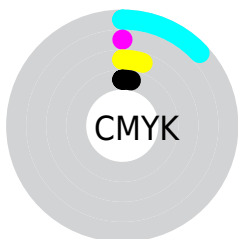
Distribution



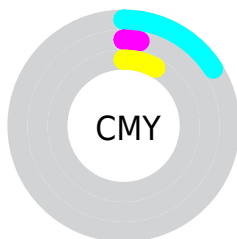
- Red (84%)
- Green (97%)
- Blue (92%)



- Red (84%)
- Yellow (92%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)




- Cyan (16%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.9668, 0.2996, 0.3416 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 86.9668, 0.2996, 0.3416 by changing the saturation by 10% instead.

 86.9668, 0.2996,
0.3416

 86.9668, 0.2996,
0.3416


518.1138, 0.3055,
0.3359

 65.4677, 0.2983,
0.3429

143.1179, 0.3016,
0.3397

 47.8404, 0.2967,
0.3444


178.5386, 0.3024,
0.3389

 33.7006, 0.2947,
0.3464


219.3688, 0.3031,
0.3382

 22.6637, 0.2921,
0.3489

265.9927, 0.3037,
0.3376

 14.3453, 0.2887,
0.3523

318.7948, 0.3042,
0.3371

 8.3613, 0.2839,
0.3570

378.1594, 0.3047,

 4.3270, 0.2767,

0.3367

0.3641

444.4709, 0.3051,
0.3363

■ 1.8581, 0.2648,
0.3762

■ 0.5230, 0.1684,
0.4660

■ 86.9668, 0.2996,
0.3416

■ 86.9668, 0.2996,
0.3416

■ 82.9869, 0.2900,
0.3525

■ 91.5466, 0.3097,
0.3317

■ 79.5701, 0.2810,
0.3645

■ 94.9151, 0.3139,
0.3228

■ 76.6927, 0.2732,
0.3774

■ 95.0087, 0.3131,
0.3214

■ 74.3246, 0.2667,
0.3912

■ 72.4329, 0.2618,
0.4055

■ 70.9807, 0.2589,
0.4202

■ 69.9253, 0.2580,
0.4350

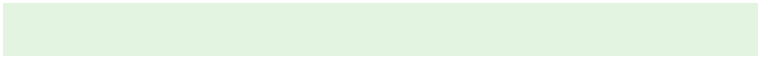
■ 69.2151, 0.2592,
0.4495

■ 68.8685, 0.2610,
0.4595

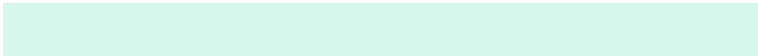
Harmonies

Analogous

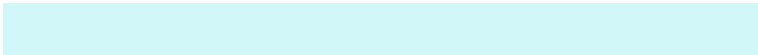
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.9668, 0.3138, 0.3513



86.9668, 0.2996, 0.3416



86.9668, 0.2891, 0.3284

Triad

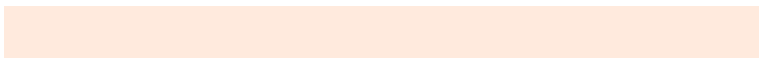
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.9668, 0.2996, 0.3416



86.9668, 0.2973, 0.3044



86.9668, 0.3415, 0.3412

Complementary

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



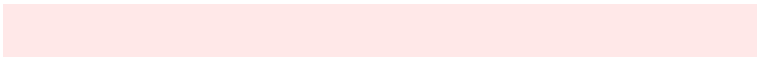
86.9668, 0.2996, 0.3416



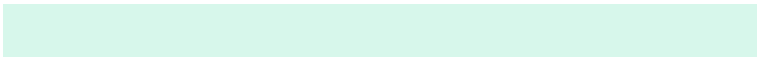
73.9167, 0.3279, 0.3167

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.



86.9668, 0.3369, 0.3289



86.9668, 0.2996, 0.3416



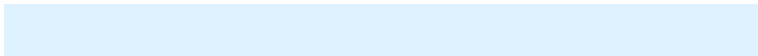
86.9668, 0.3111, 0.3080

Square

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



86.9668, 0.2996, 0.3416



86.9668, 0.2877, 0.3071



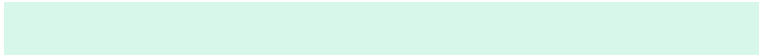
86.9668, 0.3257, 0.3168



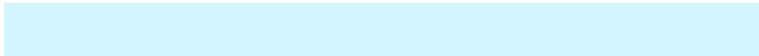
86.9668, 0.3382, 0.3508

Rectangle

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



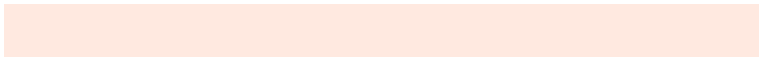
86.9668, 0.2996, 0.3416



86.9668, 0.2854, 0.3197



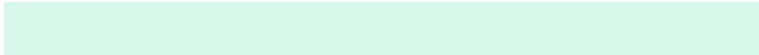
86.9668, 0.3257, 0.3168



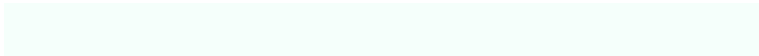
86.9668, 0.3408, 0.3373

Sweetspot

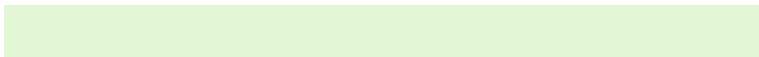
The Sweet Spot groups the original color and five complimentary colors.



86.9705, 0.2996, 0.3416



97.8721, 0.3086, 0.3327



87.8078, 0.3190, 0.3625



20.8656, 0.3078, 0.3334



0.0000, 0.0000, 0.0000



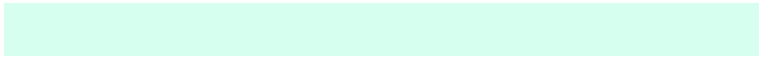
21.4041, 0.3127, 0.3290

Same Dimension

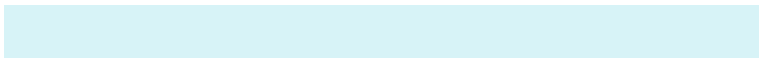
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.9705, 0.2996, 0.3416



92.1179, 0.2966, 0.3448



85.4271, 0.2928, 0.3251



18.6461, 0.3031, 0.3380



36.4468, 0.2603, 0.4571



3.2232, 0.2553, 0.4392

Inverse Universe

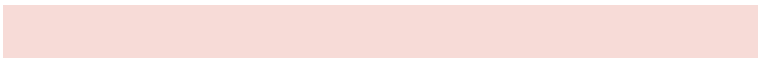
The Inverse Universe completely reimagines the original color for something new.



73.9167, 0.3279, 0.3167



75.1412, 0.3321, 0.3137



75.1997, 0.3360, 0.3329



16.5855, 0.3234, 0.3201



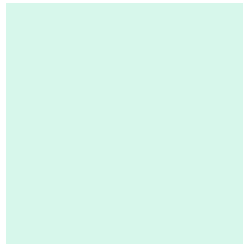
10.8994, 0.5477, 0.2791



0.9772, 0.5137, 0.2604

Previews

White Background



This preview shows how the Yxy color 86.9668, 0.2996, 0.3416 looks on a white background.

Color Contrast Check

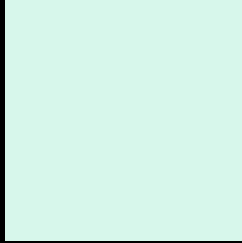
Large Text (above 18pt) WCAG AA × Fail

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 86.9668, 0.2996, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

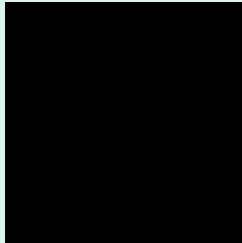
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

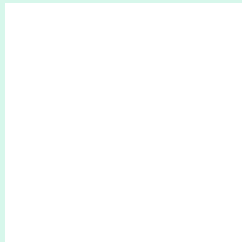
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.9668, 0.2996, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 86.9668, 0.2996, 0.3416.

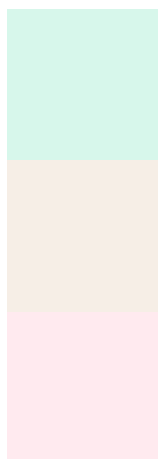


This preview shows how white text looks on a background with the Yxy color 86.9668, 0.2996, 0.3416.

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

86.9668, 0.2996, 0.3416

Protanopia

86.4551, 0.3231, 0.3371

Deuteranopia

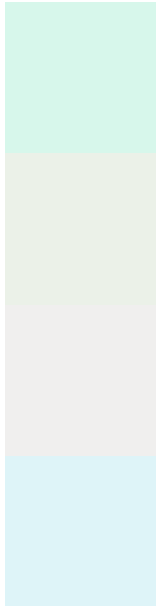
86.3376, 0.3238, 0.3241



Tritanopia

86.8930, 0.2950, 0.3158

Trichromacy



Original Color

86.9668, 0.2996, 0.3416

Protanomaly

86.3990, 0.3143, 0.3382

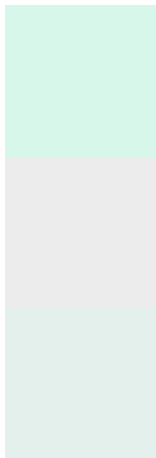
Deuteranomaly

86.4313, 0.3140, 0.3300

Tritanomaly

87.0083, 0.2965, 0.3248

Monochromacy



Original Color

86.9668, 0.2996, 0.3416

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8703, 0.3073, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9668, 0.2996, 0.3416 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(215, 247, 235)` looks like.

```
.text, #text, p{  
    color:rgb(215, 247, 235)  
}
```

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(215, 247, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 247, 235) }
```

Border

The CSS property to change the border of an element to Yxy 86.9668, 0.2996, 0.3416 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(215, 247, 235) }
```

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

```
.border{ border-color:rgb(215, 247, 235) }
```

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

Here you see how a box with a 4 pixel rgb(215, 247, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 247, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 247, 235);  
box-shadow:4px 4px 4px 4px rgb(215, 247,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9668, 0.2996, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 247, 235) }
```

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

```
.background{ background-color: rgb(215,  
247, 235) }
```

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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