

Converting Colors

$Yxy(88.2333, 0.2996, 0.3421)$

Have a look what the booklet for
Yxy(88.2333, 0.2996, 0.3421)
contains.

Yxy(88.4064, 0.2996, 0.3425)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(88.4064, 0.2996, 0.3425)

Conversions

Conversions Part 1

Format	Color
Hex	D8F9EC
RGB	216, 249, 236
RGB Percent	85%, 98%, 93%
CMY	0.1531, 0.0235, 0.0743
CMYK	0.13, 0.00, 0.05, 0.02
HSL	156°, 73%, 91%
HSV	156°, 13%, 98%
XYZ	77.3330, 88.4064, 92.3815
YIQ	237.6510, -15.4950, -11.0390

Conversions

Conversions Part 2

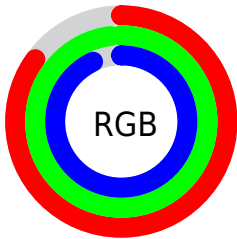
Format	Color
R _Y B	216, 237, 249
Decimal	14219756
CIE Lab	95.33, -13.10, 2.61
CIE LCh	95, 13.357, 168.718
Yxy	88.4064, 0.2996, 0.3425
Android (android.graphics.Color)	4292409836 (0xFFD8F9EC)
YUV	237.6510, -0.8139, -18.9879
Hunter-Lab	94.0247, -17.7313, 7.5635

Details

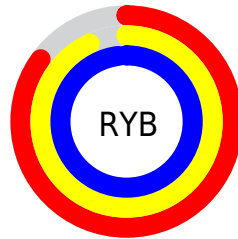
The Yxy color **88.4064, 0.2996, 0.3425** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.8899, 0.3280, 0.3159**, and the grayscale version is **85.2319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.0123, 0.2970, 0.3465** is the 20% darker color. If you saturate the color by 10%, you get **84.3486, 0.2902, 0.3540**, and if you desaturate by 10%, it is **93.0773, 0.3094, 0.3321**.

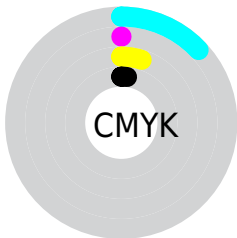
Distribution



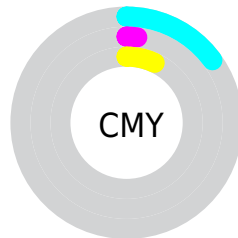
- Red (85%)
- Green (98%)
- Blue (93%)



- Red (85%)
- Yellow (93%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (5%)
- Black (2%)



- Cyan (15%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.4064, 0.2996, 0.3425 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 88.4064, 0.2996, 0.3425 by changing the saturation by 10% instead.


 88.4064, 0.2996,
0.3425

 88.4064, 0.2996,
0.3425

522.8332, 0.3055,
0.3364

 66.6597, 0.2983,
0.3439

145.1228, 0.3016,
0.3404

 48.8081, 0.2967,
0.3455

180.8613, 0.3024,
0.3396

 34.4673, 0.2947,
0.3476


222.0325, 0.3031,
0.3389

 23.2528, 0.2922,
0.3503

269.0209, 0.3037,
0.3383

 14.7803, 0.2888,
0.3538

322.2107, 0.3042,
0.3377

 8.6653, 0.2840,
0.3589

381.9864, 0.3047,

 4.5235, 0.2769,

0.3372

0.3664

448.7325, 0.3051,
0.3368

■ 1.9705, 0.2653,
0.3790

■ 0.5903, 0.1868,
0.4570

■ 88.4064, 0.2996,
0.3425

■ 88.4064, 0.2996,
0.3425

■ 84.3486, 0.2902,
0.3540


■ 93.0773, 0.3094,
0.3321

■ 80.8666, 0.2815,
0.3665


■ 96.2370, 0.3130,
0.3233


■ 77.9358, 0.2738,
0.3801


■ 75.5255, 0.2675,
0.3945

 73.6019, 0.2629,
0.4096

 72.1272, 0.2601,
0.4250

 71.0575, 0.2595,
0.4405

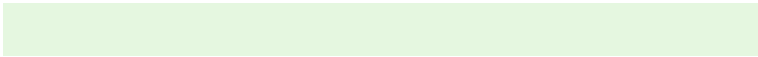
 70.3397, 0.2609,
0.4556

 70.0025, 0.2627,
0.4656

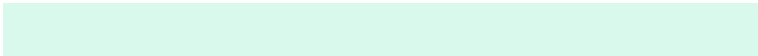
Harmonies

Analogous

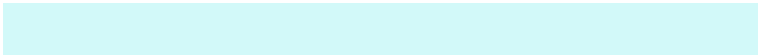
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.4064, 0.3144, 0.3524



88.4064, 0.2996, 0.3425



88.4064, 0.2885, 0.3289

Triad

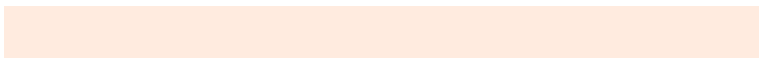
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.4064, 0.2996, 0.3425



88.4064, 0.2963, 0.3035



88.4064, 0.3425, 0.3412

Complementary

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



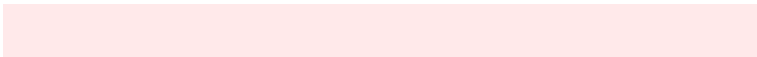
88.4064, 0.2996, 0.3425



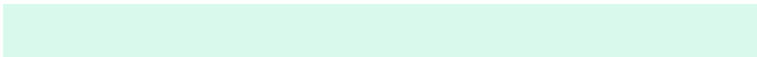
74.8899, 0.3280, 0.3159

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.



88.4064, 0.3375, 0.3284



88.4064, 0.2996, 0.3425



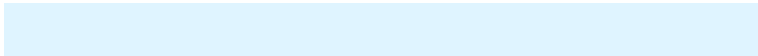
88.4064, 0.3105, 0.3070

Square

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



88.4064, 0.2996, 0.3425



88.4064, 0.2866, 0.3065



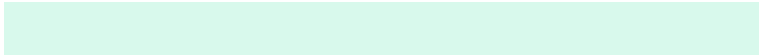
88.4064, 0.3256, 0.3160



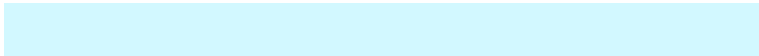
88.4064, 0.3393, 0.3513

Rectangle

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



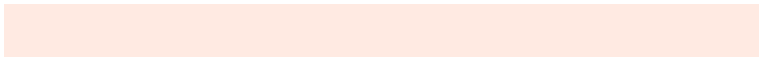
88.4064, 0.2996, 0.3425



88.4064, 0.2846, 0.3198



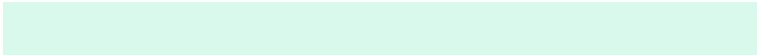
88.4064, 0.3256, 0.3160



88.4064, 0.3417, 0.3371

Sweetspot

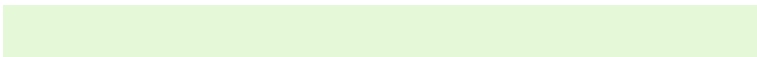
The Sweet Spot groups the original color and five complimentary colors.



88.4101, 0.2996, 0.3425



97.8615, 0.3087, 0.3329



89.4016, 0.3196, 0.3633



20.8629, 0.3080, 0.3336



0.0000, 0.0000, 0.0000



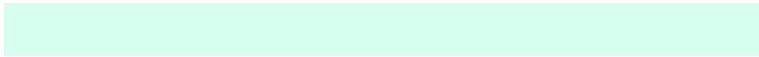
21.4041, 0.3127, 0.3290

Same Dimension

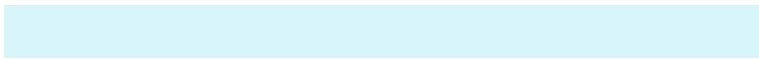
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.4101, 0.2996, 0.3425



92.0781, 0.2970, 0.3455



87.1665, 0.2923, 0.3255



19.4865, 0.3033, 0.3385



37.4968, 0.2620, 0.4632



3.4937, 0.2570, 0.4454

Inverse Universe

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



74.8899, 0.3280, 0.3159



75.1790, 0.3317, 0.3130



75.9028, 0.3367, 0.3325



17.3380, 0.3232, 0.3197



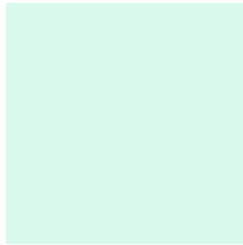
11.2751, 0.5413, 0.2756



1.0644, 0.5095, 0.2580

Previews

White Background



This preview shows how the Yxy color 88.4064, 0.2996, 0.3425 looks on a white background.

Color Contrast Check

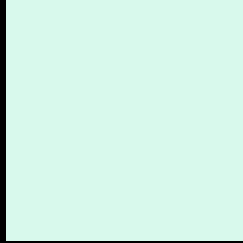
Large Text (above 18pt) WCAG AA × Fail

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 88.4064, 0.2996, 0.3425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

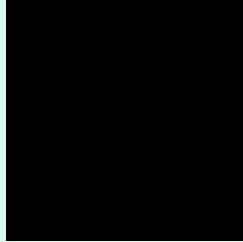
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

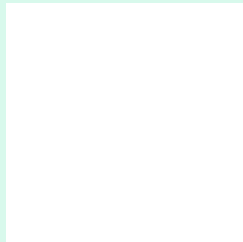
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.4064, 0.2996, 0.3425

Background



This preview shows how black text looks on a background with the Yxy color 88.4064, 0.2996, 0.3425.

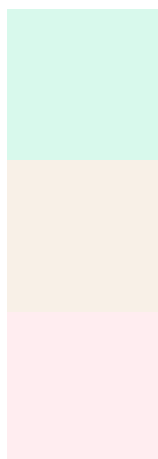


This preview shows how white text looks on a background with the Yxy color 88.4064, 0.2996, 0.3425.

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

88.4064, 0.2996, 0.3425

Protanopia

88.0462, 0.3236, 0.3380

Deuteranopia

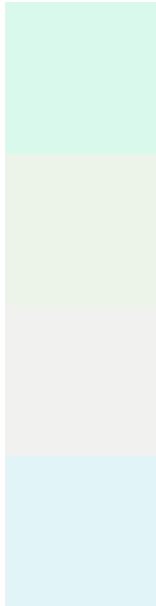
88.1196, 0.3229, 0.3261



Tritanopia

88.1442, 0.2975, 0.3169

Trichromacy



Original Color

88.4064, 0.2996, 0.3425

Protanomaly

87.8172, 0.3142, 0.3392

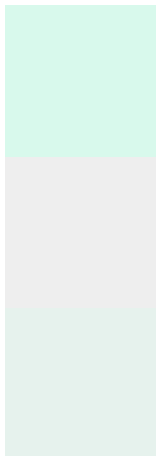
Deuteranomaly

87.8434, 0.3139, 0.3310

Tritanomaly

88.0897, 0.2984, 0.3259

Monochromacy



Original Color

88.4064, 0.2996, 0.3425

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.4417, 0.3079, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.4064, 0.2996, 0.3425 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(216, 249, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 249, 236)  
}
```

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(216, 249, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 249, 236) }
```

Border

The CSS property to change the border of an element to Yxy 88.4064, 0.2996, 0.3425 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(216, 249, 236) }
```

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

```
.border{ border-color:rgb(216, 249, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 249, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 249, 236); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 249, 236); box-shadow:4px 4px 4px 4px rgb(216, 249, 236) }
```


Background

The CSS property to change the background color of an element to Yxy 88.4064, 0.2996, 0.3425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 249, 236) }
```

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

```
.background{ background-color: rgb(216,  
249, 236) }
```

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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