

Converting Colors

$Yxy(88.0172, 0.2915, 0.3339)$

Have a look what the booklet for
Yxy(88.0172, 0.2915, 0.3339)
contains.

Yxy(87.9847, 0.2916, 0.3342)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9847, 0.2916, 0.3342)

Conversions

Conversions Part 1

Format	Color
Hex	D2F9F4
RGB	210, 249, 244
RGB Percent	82%, 98%, 96%
CMY	0.1767, 0.0234, 0.0432
CMYK	0.16, 0.00, 0.02, 0.02
HSL	172°, 77%, 90%
HSV	172°, 16%, 98%
XYZ	76.7694, 87.9847, 98.5155
YIQ	236.7690, -21.6390, -9.8230

Conversions

Conversions Part 2

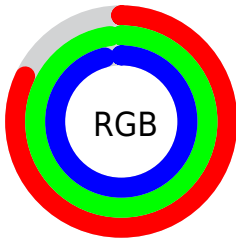
Format	Color
R _Y B	210, 231, 249
Decimal	13826548
CIE Lab	95.15, -13.47, -1.79
CIE LCh	95, 13.590, 187.584
Yxy	87.9847, 0.2916, 0.3342
Android (android.graphics.Color)	4292016628 (0xFFD2F9F4)
YUV	236.7690, 3.5649, -23.4764
Hunter-Lab	93.8002, -18.0595, 3.3896

Details

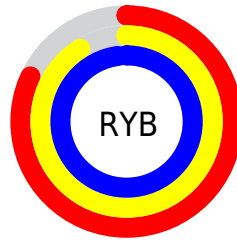
The Yxy color **87.9847, 0.2916, 0.3342** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.1138, 0.3387, 0.3239**, and the grayscale version is **84.4802, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7393, 0.2870, 0.3357** is the 20% darker color. If you saturate the color by 10%, you get **84.4214, 0.2792, 0.3379**, and if you desaturate by 10%, it is **92.1273, 0.3049, 0.3308**.

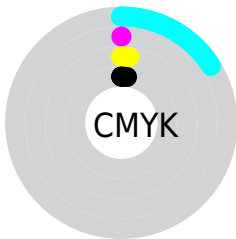
Distribution



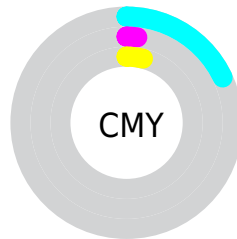
- Red (82%)
- Green (98%)
- Blue (96%)



- Red (82%)
- Yellow (91%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (2%)
- Black (2%)



- Cyan (18%)
- Magenta (2%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9847, 0.2916, 0.3342 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 87.9847, 0.2916, 0.3342 by changing the saturation by 10% instead.

 87.9847, 0.2916,
0.3342

 87.9847, 0.2916,
0.3342


521.4531, 0.3010,
0.3319

 66.3104, 0.2895,
0.3347


144.5359, 0.2948,
0.3334

 48.5244, 0.2870,
0.3353


180.1815, 0.2961,
0.3331

 34.2424, 0.2839,
0.3360

221.2530, 0.2972,
0.3329

 23.0799, 0.2799,
0.3369

268.1349, 0.2981,
0.3326

 14.6525, 0.2746,
0.3381

321.2114, 0.2990,
0.3324

 8.5759, 0.2673,
0.3398

380.8670, 0.2997,

 4.4656, 0.2565,

0.3322

447.4861, 0.3004,
0.3321

0.3421

1.9373, 0.2392,
0.3456

0.5706, 0.1395,
0.3727

87.9847, 0.2916,
0.3342

87.9847, 0.2916,
0.3342

84.4214, 0.2792,
0.3379

92.1273, 0.3049,
0.3308

81.4003, 0.2679,
0.3419

95.9512, 0.3157,
0.3277

78.8966, 0.2580,
0.3461

96.1545, 0.3138,
0.3246

76.8796, 0.2498,
0.3505

96.2439, 0.3130,
0.3233

■ 75.3150, 0.2435,
0.3550

■ 74.1643, 0.2392,
0.3595

■ 73.3823, 0.2368,
0.3641

■ 72.9134, 0.2362,
0.3686

■ 72.7719, 0.2363,
0.3705

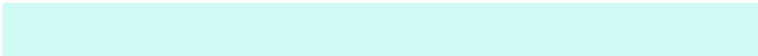
Harmonies

Analogous

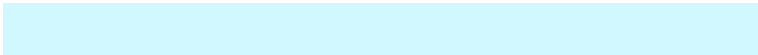
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9847, 0.3047, 0.3472



87.9847, 0.2916, 0.3342



87.9847, 0.2842, 0.3201

Triad

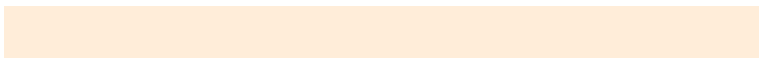
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9847, 0.2916, 0.3342



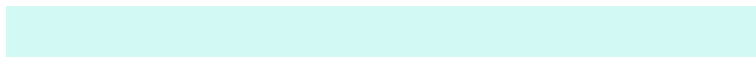
87.9847, 0.3047, 0.3045



87.9847, 0.3420, 0.3484

Complementary

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



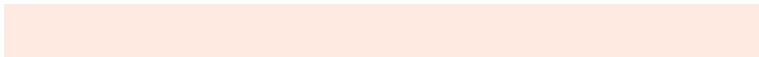
87.9847, 0.2916, 0.3342



71.1138, 0.3387, 0.3239

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.



87.9847, 0.3421, 0.3367



87.9847, 0.2916, 0.3342



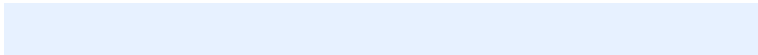
87.9847, 0.3203, 0.3118

Square

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



87.9847, 0.2916, 0.3342



87.9847, 0.2916, 0.3034



87.9847, 0.3341, 0.3235



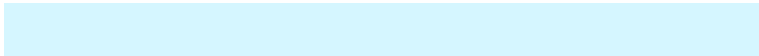
87.9847, 0.3339, 0.3553

Rectangle

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



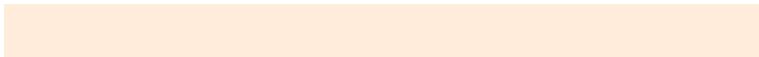
87.9847, 0.2916, 0.3342



87.9847, 0.2833, 0.3121



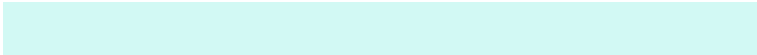
87.9847, 0.3341, 0.3235



87.9847, 0.3430, 0.3449

Sweetspot

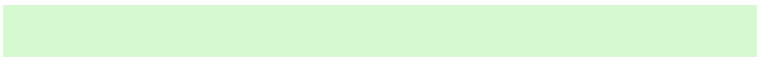
The Sweet Spot groups the original color and five complimentary colors.



87.9884, 0.2916, 0.3342



97.5563, 0.3058, 0.3306



86.8846, 0.3140, 0.3708



20.8103, 0.3049, 0.3308



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

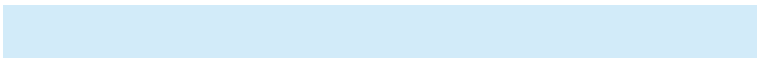
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9884, 0.2916, 0.3342



91.5455, 0.2873, 0.3354



79.7747, 0.2883, 0.3138



19.5679, 0.2998, 0.3321



38.9615, 0.2361, 0.3698



3.6189, 0.2346, 0.3644

Inverse Universe

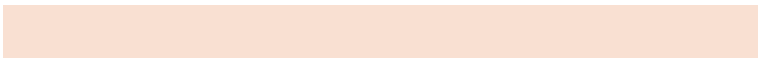
The Inverse Universe completely reimagines the original color for something new.



71.1138, 0.3387, 0.3239



70.4612, 0.3455, 0.3227



78.2513, 0.3401, 0.3438



17.2616, 0.3274, 0.3260



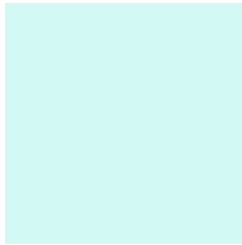
10.8476, 0.6238, 0.3210



1.0157, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 87.9847, 0.2916, 0.3342 looks on a white background.

Color Contrast Check

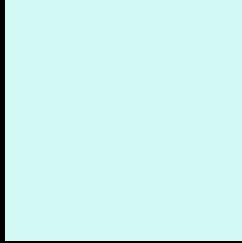
Large Text (above 18pt) WCAG AA × Fail

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 87.9847, 0.2916, 0.3342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

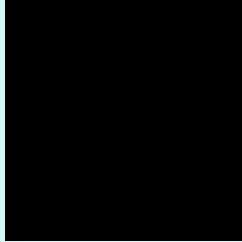
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

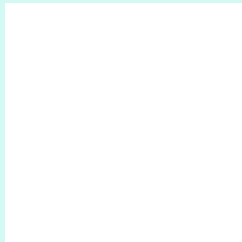
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9847, 0.2916, 0.3342

Background



This preview shows how black text looks on a background with the Yxy color 87.9847, 0.2916, 0.3342.

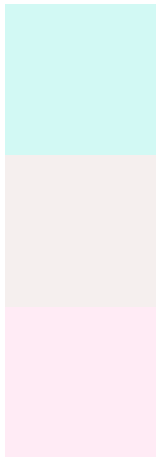


This preview shows how white text looks on a background with the Yxy color 87.9847, 0.2916, 0.3342.

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

87.9847, 0.2916, 0.3342

Protanopia

87.3185, 0.3173, 0.3300

Deuteranopia

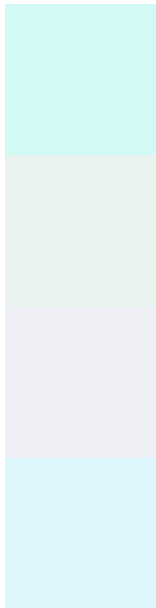
87.2692, 0.3199, 0.3193



Tritanopia

88.0901, 0.2950, 0.3178

Trichromacy



Original Color

87.9847, 0.2916, 0.3342

Protanomaly

87.5483, 0.3074, 0.3320

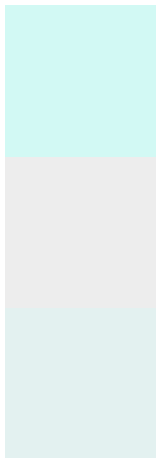
Deuteranomaly

87.2635, 0.3090, 0.3240

Tritanomaly

88.0922, 0.2937, 0.3238

Monochromacy



Original Color

87.9847, 0.2916, 0.3342

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5328, 0.3043, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9847, 0.2916, 0.3342 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(210, 249, 244)` looks like.

```
.text, #text, p{  
    color:rgb(210, 249, 244)  
}
```

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(210, 249, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 249, 244) }
```

Border

The CSS property to change the border of an element to Yxy 87.9847, 0.2916, 0.3342 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(210, 249, 244) }
```

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

```
.border{ border-color:rgb(210, 249, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 249, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 249, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 249, 244);  
box-shadow:4px 4px 4px 4px rgb(210, 249,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9847, 0.2916, 0.3342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 249, 244) }
```

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

```
.background{ background-color: rgb(210,  
249, 244) }
```

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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