

Converting Colors

$Yxy(87.9605, 0.2900, 0.3321)$

Have a look what the booklet for
Yxy(87.9605, 0.2900, 0.3321)
contains.

Yxy(87.9605, 0.2900, 0.3321)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.9605, 0.2900, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	D1F9F6
RGB	209, 249, 246
RGB Percent	82%, 98%, 96%
CMY	0.1802, 0.0235, 0.0354
CMYK	0.16, 0.00, 0.01, 0.02
HSL	175°, 77%, 90%
HSV	175°, 16%, 98%
XYZ	76.8098, 87.9605, 100.0912
YIQ	236.6980, -22.8770, -9.4130

Conversions

Conversions Part 2

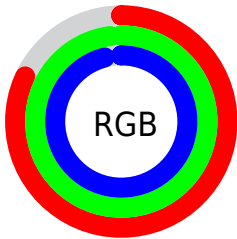
Format	Color
R _Y B	209, 230, 249
Decimal	13761014
CIE Lab	95.14, -13.35, -2.84
CIE LCh	95, 13.644, 192.002
Yxy	87.9605, 0.2900, 0.3321
Android (android.graphics.Color)	4291951094 (0xFFD1F9F6)
YUV	236.6980, 4.5859, -24.2911
Hunter-Lab	93.7873, -17.9399, 2.3759

Details

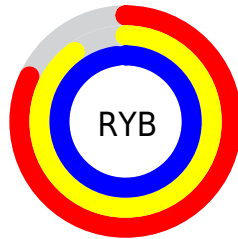
The Yxy color **87.9605, 0.2900, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.5205, 0.3410, 0.3259**, and the grayscale version is **84.4279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.7277, 0.2849, 0.3330** is the 20% darker color. If you saturate the color by 10%, you get **84.4951, 0.2770, 0.3343**, and if you desaturate by 10%, it is **92.0020, 0.3040, 0.3301**.

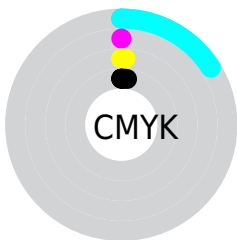
Distribution



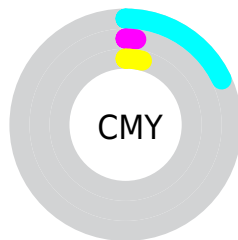
- Red (82%)
- Green (98%)
- Blue (96%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (16%)
- Magenta (0%)
- Yellow (1%)
- Black (2%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.9605, 0.2900, 0.3321 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 87.9605, 0.2900, 0.3321 by changing the saturation by 10% instead.


 87.9605, 0.2900,
0.3321

 87.9605, 0.2900,
0.3321

521.3739, 0.3001,
0.3308

 66.2904, 0.2878,
0.3324


144.5022, 0.2934,
0.3317

 48.5081, 0.2851,
0.3327

180.1425, 0.2948,
0.3315

 34.2295, 0.2817,
0.3331

221.2083, 0.2960,
0.3313

 23.0699, 0.2774,
0.3336

268.0840, 0.2970,
0.3312

 14.6452, 0.2718,
0.3342

321.1540, 0.2979,
0.3311

 8.5707, 0.2640,
0.3350

380.8028, 0.2987,

 4.4623, 0.2525,

0.3310

447.4146, 0.2995,
0.3309

0.3360

1.9354, 0.2342,
0.3373

0.5695, 0.1344,
0.3552

87.9605, 0.2900,
0.3321

87.9605, 0.2900,
0.3321

84.4951, 0.2770,
0.3343

92.0020, 0.3040,
0.3301

81.5687, 0.2652,
0.3366


95.8964, 0.3161,
0.3283

79.1563, 0.2550,
0.3390

96.0153, 0.3150,
0.3265


77.2272, 0.2464,
0.3415


96.1354, 0.3139,
0.3247


 75.7470, 0.2398,
0.3441

 96.2302, 0.3130,
0.3233

 74.6770, 0.2352,
0.3467

 73.9719, 0.2325,
0.3493

 73.5753, 0.2315,
0.3518

 73.4696, 0.2313,
0.3528

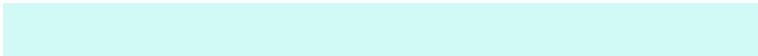
Harmonies

Analogous

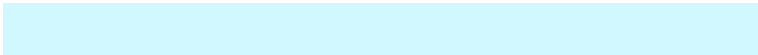
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9605, 0.3025, 0.3456



87.9605, 0.2900, 0.3321



87.9605, 0.2836, 0.3181

Triad

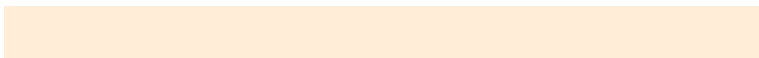
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.9605, 0.2900, 0.3321



87.9605, 0.3070, 0.3052



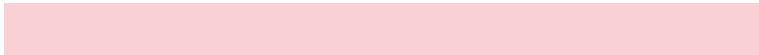
87.9605, 0.3414, 0.3499

Complementary

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



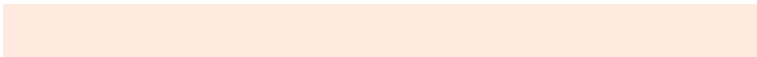
87.9605, 0.2900, 0.3321



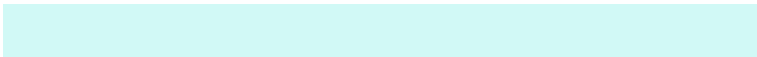
70.5205, 0.3410, 0.3259

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.



87.9605, 0.3428, 0.3387



87.9605, 0.2900, 0.3321



87.9605, 0.3226, 0.3133

Square

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



87.9605, 0.2900, 0.3321



87.9605, 0.2932, 0.3030



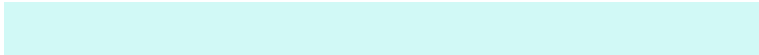
87.9605, 0.3358, 0.3254



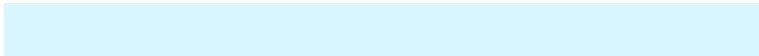
87.9605, 0.3322, 0.3558

Rectangle

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



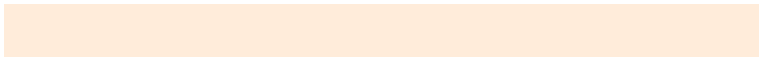
87.9605, 0.2900, 0.3321



87.9605, 0.2835, 0.3105



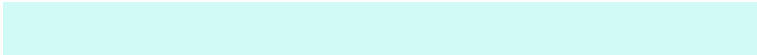
87.9605, 0.3358, 0.3254



87.9605, 0.3428, 0.3466

Sweetspot

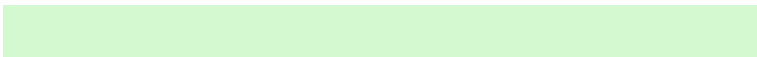
The Sweet Spot groups the original color and five complimentary colors.



87.9641, 0.2900, 0.3321



97.5994, 0.3054, 0.3299



86.4089, 0.3128, 0.3720



20.8208, 0.3044, 0.3301



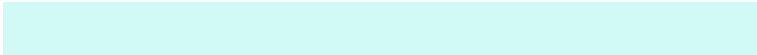
0.0000, 0.0000, 0.0000



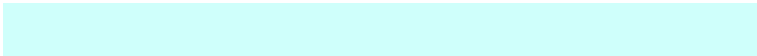
21.4041, 0.3127, 0.3290

Same Dimension

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



87.9641, 0.2900, 0.3321



91.7062, 0.2860, 0.3327



78.3129, 0.2876, 0.3113



19.5845, 0.2990, 0.3308



39.3374, 0.2312, 0.3524



3.6499, 0.2304, 0.3493

Inverse Universe

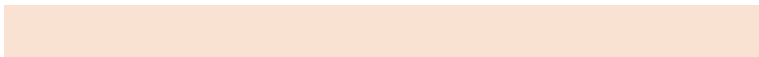
The Inverse Universe completely reimagines the original color for something new.



70.5205, 0.3410, 0.3259



70.3323, 0.3474, 0.3254



78.9711, 0.3405, 0.3461



17.2466, 0.3282, 0.3272



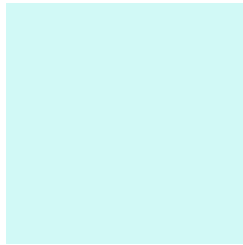
10.8131, 0.6321, 0.3256



1.0086, 0.6141, 0.3156

Previews

White Background



This preview shows how the Yxy color 87.9605, 0.2900, 0.3321 looks on a white background.

Color Contrast Check

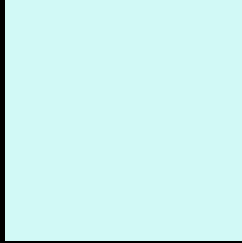
Large Text (above 18pt) WCAG AA × Fail

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 87.9605, 0.2900, 0.3321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

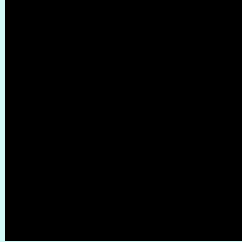
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

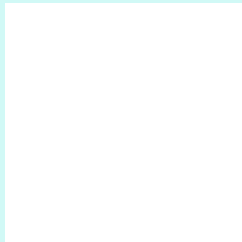
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.9605, 0.2900, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 87.9605, 0.2900, 0.3321.

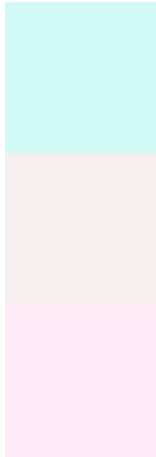


This preview shows how white text looks on a background with the Yxy color 87.9605, 0.2900, 0.3321.

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

87.9605, 0.2900, 0.3321

Protanopia

87.4368, 0.3161, 0.3280

Deuteranopia

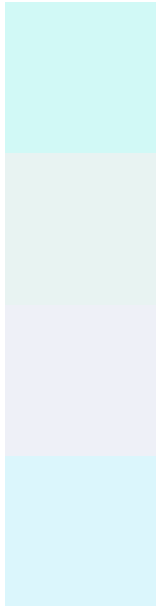
87.3921, 0.3186, 0.3174



Tritanopia

87.9289, 0.2944, 0.3178

Trichromacy



Original Color

87.9605, 0.2900, 0.3321

Protanomaly

87.6678, 0.3062, 0.3300

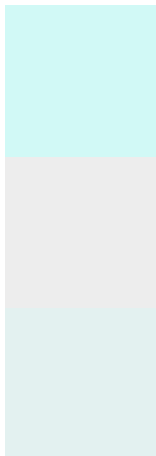
Deuteranomaly

87.2127, 0.3072, 0.3220

Tritanomaly

87.9999, 0.2925, 0.3228

Monochromacy



Original Color

87.9605, 0.2900, 0.3321

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 87.9605, 0.2900, 0.3321 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(209, 249, 246)` looks like.

```
.text, #text, p{  
    color:rgb(209, 249, 246)  
}
```

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(209, 249, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 249, 246) }
```

Border

The CSS property to change the border of an element to Yxy 87.9605, 0.2900, 0.3321 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(209, 249, 246) }
```

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

```
.border{ border-color:rgb(209, 249, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 249, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 249, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 249, 246);  
box-shadow:4px 4px 4px 4px rgb(209, 249,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9605, 0.2900, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 249, 246) }
```

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

```
.background{ background-color: rgb(209,  
249, 246) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor