

Converting Colors

$Yxy(82.9229, 0.2900, 0.3207)$

Have a look what the booklet for
Yxy(82.9229, 0.2900, 0.3207)
contains.

Yxy(82.9464, 0.2897, 0.3205)	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(82.9464, 0.2897, 0.3205)

Conversions

Conversions Part 1

Format	Color
Hex	D3F0F8
RGB	211, 240, 248
RGB Percent	83%, 94%, 97%
CMY	0.1724, 0.0588, 0.0274
CMYK	0.15, 0.03, 0.00, 0.03
HSL	193°, 73%, 90%
HSV	193°, 15%, 97%
XYZ	74.9753, 82.9464, 100.8815
YIQ	232.2410, -19.8520, -3.6600

Conversions

Conversions Part 2

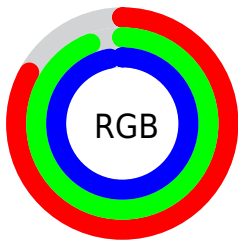
Format	Color
R _Y B	211, 227, 248
Decimal	13889784
CIE Lab	92.99, -7.80, -7.06
CIE LCh	93, 10.522, 222.144
Yxy	82.9464, 0.2897, 0.3205
Android (android.graphics.Color)	4292079864 (0xFFD3F0F8)
YUV	232.2410, 7.7692, -18.6284
Hunter-Lab	91.0749, -12.4352, -1.9216

Details

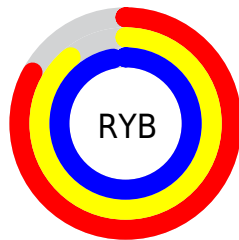
The Yxy color **82.9464, 0.2897, 0.3205** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3554, 0.3395, 0.3373**, and the grayscale version is **80.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1547, 0.2843, 0.3180** is the 20% darker color. If you saturate the color by 10%, you get **76.4434, 0.2747, 0.3141**, and if you desaturate by 10%, it is **90.1154, 0.3051, 0.3263**.

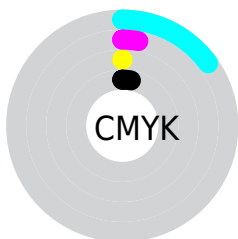
Distribution



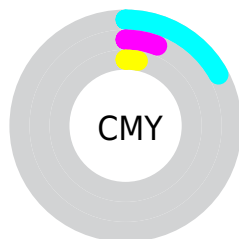
- Red (83%)
- Green (94%)
- Blue (97%)



- Red (83%)
- Yellow (89%)
- Blue (97%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (3%)



- Cyan (17%)
- Magenta (6%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9464, 0.2897, 0.3205 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 82.9464, 0.2897, 0.3205 by changing the saturation by 10% instead.

82.9464, 0.2897,
0.3205

82.9464, 0.2897,
0.3205

504.8079, 0.3000,
0.3244

62.1459, 0.2874,
0.3196

137.5004, 0.2932,
0.3219

45.1506, 0.2846,
0.3185

172.0227, 0.2946,
0.3224

31.5761, 0.2811,
0.3171

211.8877, 0.2958,
0.3229

21.0379, 0.2767,
0.3153

257.4799, 0.2969,
0.3233

13.1517, 0.2707,
0.3128

309.1836, 0.2978,
0.3236

7.5331, 0.2625,
0.3092

367.3833, 0.2986,

3.7977, 0.2503,

0.3239

0.3036

432.4632, 0.2994,
0.3242

1.5610, 0.2303,
0.2940

0.3311, 0.0949,
0.2529

82.9464, 0.2897,
0.3205

82.9464, 0.2897,
0.3205

76.4434, 0.2747,
0.3141

90.1154, 0.3051,
0.3263

70.5693, 0.2604,
0.3073

96.8811, 0.3170,
0.3316

65.2992, 0.2472,
0.2999

99.5586, 0.3168,
0.3357

60.6017, 0.2354,
0.2923

■ 56.4426, 0.2252,
0.2843

■ 52.7831, 0.2169,
0.2763

■ 49.5785, 0.2106,
0.2682

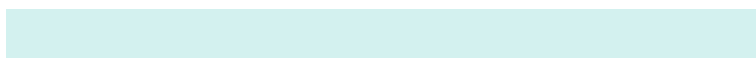
■ 46.7737, 0.2062,
0.2602

■ 45.4603, 0.2045,
0.2562

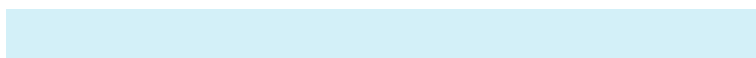
Harmonies

Analogous

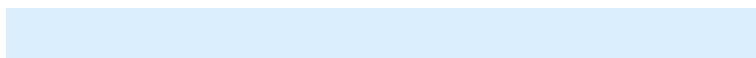
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9464, 0.2948, 0.3314



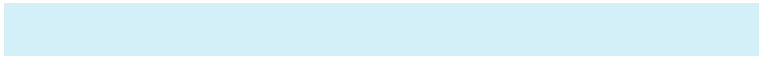
82.9464, 0.2897, 0.3205



82.9464, 0.2906, 0.3122

Triad

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



82.9464, 0.2897, 0.3205



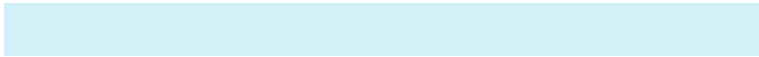
82.9464, 0.3206, 0.3166



82.9464, 0.3280, 0.3501

Complementary

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



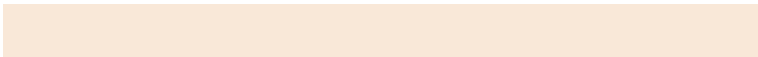
82.9464, 0.2897, 0.3205



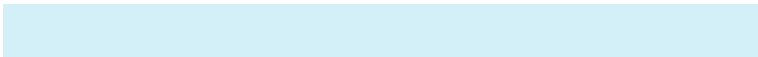
75.3554, 0.3395, 0.3373

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.



82.9464, 0.3352, 0.3455



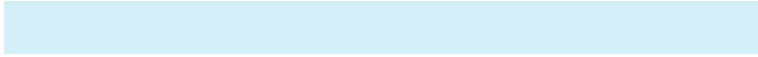
82.9464, 0.2897, 0.3205



82.9464, 0.3309, 0.3263

Square

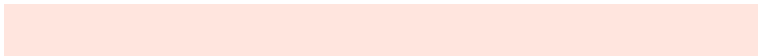
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9464, 0.2897, 0.3205



82.9464, 0.3083, 0.3102



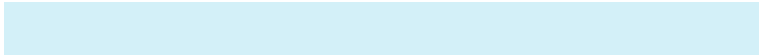
82.9464, 0.3363, 0.3368



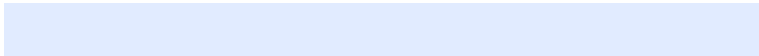
82.9464, 0.3168, 0.3488

Rectangle

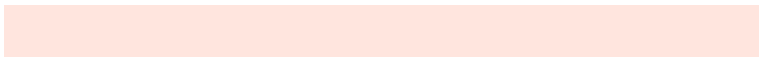
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



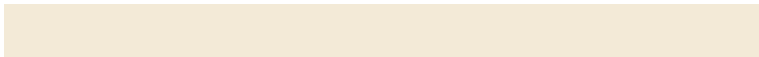
82.9464, 0.2897, 0.3205



82.9464, 0.2946, 0.3091



82.9464, 0.3363, 0.3368



82.9464, 0.3310, 0.3491

Sweetspot

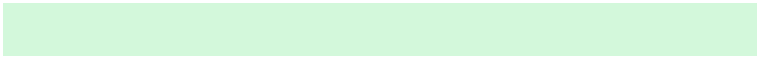
The Sweet Spot groups the original color and five complimentary colors.



82.9498, 0.2897, 0.3205



96.7129, 0.3065, 0.3268



86.1176, 0.3062, 0.3601



20.5710, 0.3053, 0.3264



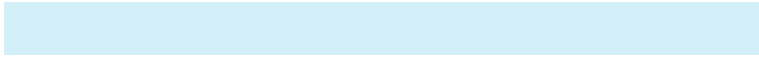
0.0000, 0.0000, 0.0000



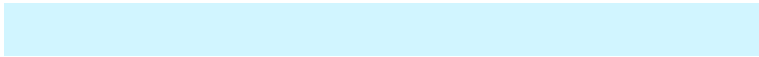
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9498, 0.2897, 0.3205



86.1209, 0.2850, 0.3186



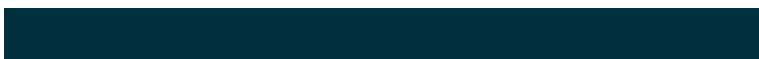
72.6140, 0.2890, 0.3006



18.9320, 0.2980, 0.3237



24.7679, 0.2049, 0.2575



2.4468, 0.2075, 0.2670

Inverse Universe

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



72.8539, 0.3199, 0.2998



73.5052, 0.3217, 0.2935



85.5463, 0.3367, 0.3559



17.4563, 0.3171, 0.3106



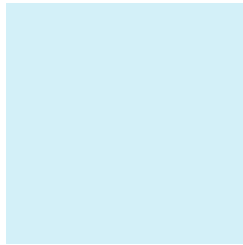
12.9112, 0.3848, 0.1894



1.2112, 0.3757, 0.1843

Previews

White Background



This preview shows how the Yxy color 82.9464, 0.2897, 0.3205 looks on a white background.

Color Contrast Check

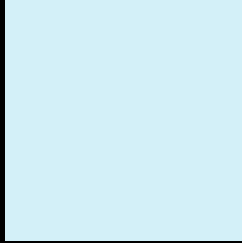
Large Text (above 18pt) WCAG AA × Fail

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 82.9464, 0.2897, 0.3205 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

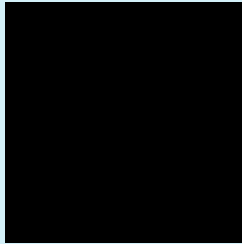
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.9464, 0.2897, 0.3205

Background



This preview shows how black text looks on a background with the Yxy color 82.9464, 0.2897, 0.3205.

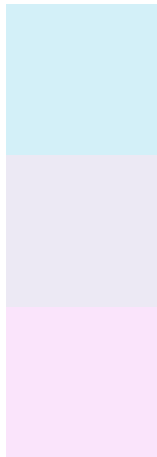


This preview shows how white text looks on a background with the Yxy color 82.9464, 0.2897, 0.3205.

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

82.9464, 0.2897, 0.3205

Protanopia

82.6423, 0.3079, 0.3178

Deuteranopia

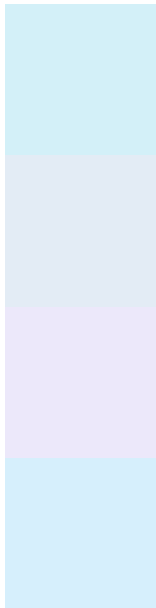
82.7758, 0.3131, 0.3064



Tritanopia

82.8161, 0.2881, 0.3113

Trichromacy



Original Color

82.9464, 0.2897, 0.3205

Protanomaly

82.9144, 0.3014, 0.3197

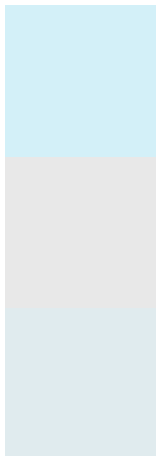
Deuteranomaly

82.4482, 0.3043, 0.3108

Tritanomaly

83.0574, 0.2892, 0.3154

Monochromacy



Original Color

82.9464, 0.2897, 0.3205

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.4370, 0.3036, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9464, 0.2897, 0.3205 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(211, 240, 248)` looks like.

```
.text, #text, p{  
    color:rgb(211, 240, 248)  
}
```

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(211, 240, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 240, 248) }
```

Border

The CSS property to change the border of an element to Yxy 82.9464, 0.2897, 0.3205 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(211, 240, 248) }
```

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

```
.border{ border-color:rgb(211, 240, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 240, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 240, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 240, 248);  
box-shadow:4px 4px 4px 4px rgb(211, 240,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9464, 0.2897, 0.3205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 240, 248) }
```

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

```
.background{ background-color: rgb(211,  
240, 248) }
```

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