

Converting Colors

$Yxy(81.6189, 0.2910, 0.3217)$

Have a look what the booklet for
Yxy(81.6189, 0.2910, 0.3217)
contains.

Yxy(81.5905, 0.2913, 0.3215)	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(81.5905, 0.2913, 0.3215)

Conversions

Conversions Part 1

Format	Color
Hex	D3EEF5
RGB	211, 238, 245
RGB Percent	83%, 93%, 96%
CMY	0.1725, 0.0667, 0.0391
CMYK	0.14, 0.03, 0.00, 0.04
HSL	192°, 63%, 89%
HSV	192°, 14%, 96%
XYZ	73.9263, 81.5905, 98.2639
YIQ	230.7250, -18.3390, -3.5470

Conversions

Conversions Part 2

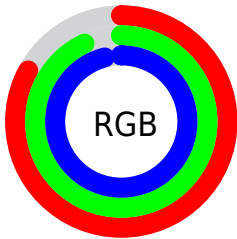
Format	Color
R _Y B	211, 226, 245
Decimal	13889269
CIE Lab	92.39, -7.39, -6.39
CIE LCh	92, 9.770, 220.835
Yxy	81.5905, 0.2913, 0.3215
Android (android.graphics.Color)	4292079349 (0xFFD3EEF5)
YUV	230.7250, 7.0376, -17.2988
Hunter-Lab	90.3275, -11.9841, -1.2702

Details

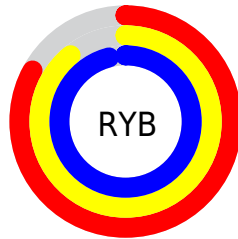
The Yxy color **81.5905, 0.2913, 0.3215** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2905, 0.3374, 0.3364**, and the grayscale version is **79.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1979, 0.2863, 0.3193** is the 20% darker color. If you saturate the color by 10%, you get **75.3370, 0.2763, 0.3155**, and if you desaturate by 10%, it is **88.4855, 0.3067, 0.3270**.

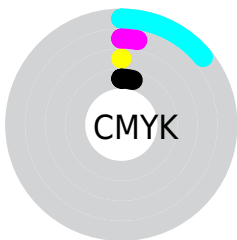
Distribution



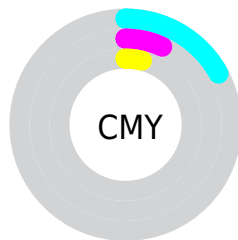
- Red (83%)
- Green (93%)
- Blue (96%)



- Red (83%)
- Yellow (89%)
- Blue (96%)



- Cyan (14%)
- Magenta (3%)
- Yellow (0%)
- Black (4%)



- Cyan (17%)
- Magenta (7%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.5905, 0.2913, 0.3215 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 81.5905, 0.2913, 0.3215 by changing the saturation by 10% instead.

81.5905, 0.2913,
0.3215

81.5905, 0.2913,
0.3215

500.2769, 0.3010,
0.3250

61.0281, 0.2892,
0.3207

135.5996, 0.2946,
0.3227

44.2478, 0.2865,
0.3197

169.8150, 0.2959,
0.3232

30.8654, 0.2833,
0.3185

209.3502, 0.2970,
0.3236

20.4964, 0.2790,
0.3168

254.5896, 0.2980,
0.3239

12.7564, 0.2734,
0.3146

305.9176, 0.2989,
0.3243

7.2610, 0.2656,
0.3114

363.7185, 0.2996,

3.6259, 0.2539,

0.3245

0.3064

428.3768, 0.3003,
0.3248

■ 1.4666, 0.2345,
0.2975

■ 0.2650, 0.0667,
0.2473

■ 81.5905, 0.2913,
0.3215

■ 81.5905, 0.2913,
0.3215

■ 75.3370, 0.2763,
0.3155

■ 88.4855, 0.3067,
0.3270

■ 69.6892, 0.2620,
0.3090

■ 95.0710, 0.3190,
0.3320

■ 64.6230, 0.2488,
0.3021

■ 98.2313, 0.3186,
0.3368

■ 60.1087, 0.2369,
0.2948

■ 99.3746, 0.3185,
0.3386

■ 56.1132, 0.2267,
0.2873

■ 52.5998, 0.2183,
0.2797

■ 49.5258, 0.2120,
0.2720

■ 46.8391, 0.2075,
0.2645

■ 45.3403, 0.2055,
0.2599

Harmonies

Analogous

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



81.5905, 0.2963, 0.3317



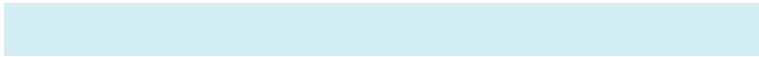
81.5905, 0.2913, 0.3215



81.5905, 0.2919, 0.3136

Triad

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



81.5905, 0.2913, 0.3215



81.5905, 0.3196, 0.3171



81.5905, 0.3274, 0.3486

Complementary

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



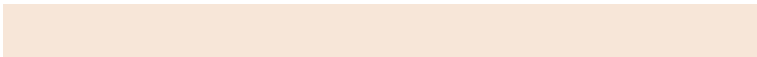
81.5905, 0.2913, 0.3215



74.2905, 0.3374, 0.3364

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.



81.5905, 0.3339, 0.3442



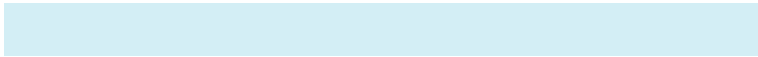
81.5905, 0.2913, 0.3215



81.5905, 0.3294, 0.3260

Square

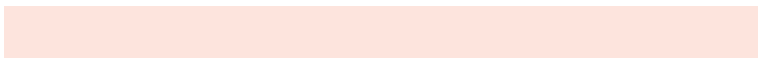
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



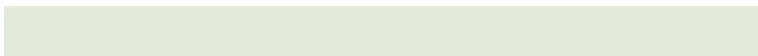
81.5905, 0.2913, 0.3215



81.5905, 0.3081, 0.3112



81.5905, 0.3346, 0.3359



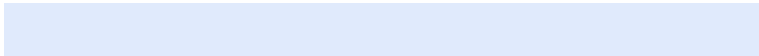
81.5905, 0.3170, 0.3476

Rectangle

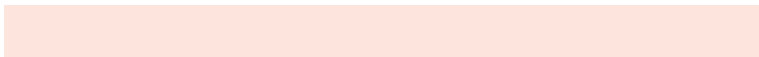
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5905, 0.2913, 0.3215



81.5905, 0.2954, 0.3106



81.5905, 0.3346, 0.3359



81.5905, 0.3301, 0.3477

Sweetspot

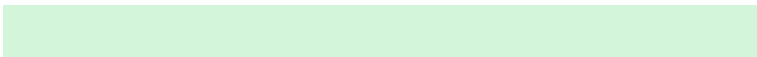
The Sweet Spot groups the original color and five complimentary colors.



81.5939, 0.2913, 0.3215



96.7781, 0.3065, 0.3269



84.2285, 0.3070, 0.3583



20.5876, 0.3053, 0.3265



0.0000, 0.0000, 0.0000



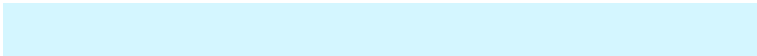
21.4041, 0.3127, 0.3290

Same Dimension

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



81.5939, 0.2913, 0.3215



87.0984, 0.2865, 0.3197



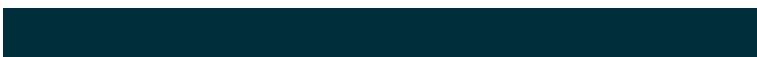
72.2747, 0.2907, 0.3033



18.1418, 0.2980, 0.3240



24.6238, 0.2059, 0.2611



2.3072, 0.2085, 0.2706

Inverse Universe

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



72.1870, 0.3191, 0.3016



74.8282, 0.3208, 0.2951



83.4404, 0.3350, 0.3534



16.7061, 0.3170, 0.3104



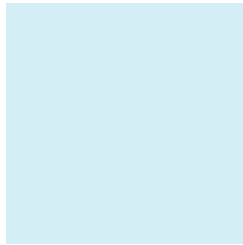
12.5852, 0.3813, 0.1874



1.1205, 0.3723, 0.1824

Previews

White Background



This preview shows how the Yxy color 81.5905, 0.2913, 0.3215 looks on a white background.

Color Contrast Check

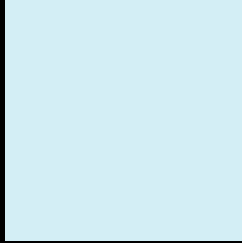
Large Text (above 18pt) WCAG AA × Fail

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 81.5905, 0.2913, 0.3215 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

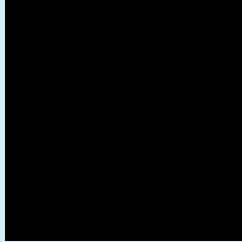
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.5905, 0.2913, 0.3215

Background



This preview shows how black text looks on a background with the Yxy color 81.5905, 0.2913, 0.3215.

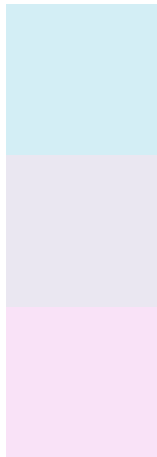


This preview shows how white text looks on a background with the Yxy color 81.5905, 0.2913, 0.3215.

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

81.5905, 0.2913, 0.3215

Protanopia

80.9951, 0.3085, 0.3188

Deuteranopia

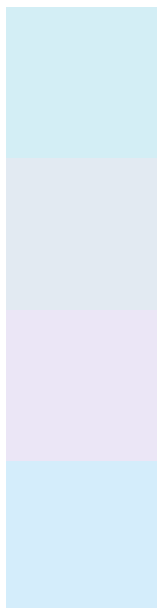
81.2478, 0.3151, 0.3082



Tritanopia

81.3570, 0.2868, 0.3091

Trichromacy



Original Color

81.5905, 0.2913, 0.3215

Protanomaly

81.4252, 0.3025, 0.3207

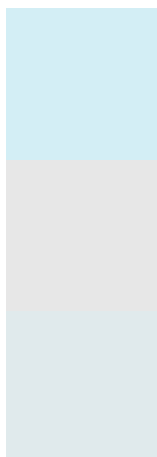
Deuteranomaly

80.9096, 0.3061, 0.3127

Tritanomaly

81.5305, 0.2885, 0.3143

Monochromacy



Original Color

81.5905, 0.2913, 0.3215

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.7491, 0.3048, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5905, 0.2913, 0.3215 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, 238, 245)` looks like.

```
.text, #text, p{  
    color:rgb(211, 238, 245)  
}
```

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, 238, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 238, 245) }
```

Border

The CSS property to change the border of an element to Yxy 81.5905, 0.2913, 0.3215 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, 238, 245) }
```

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

```
.border{ border-color:rgb(211, 238, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 238, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 238, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 238, 245);  
box-shadow:4px 4px 4px 4px rgb(211, 238,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5905, 0.2913, 0.3215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 238, 245) }
```

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

```
.background{ background-color: rgb(211,  
238, 245) }
```

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