

Converting Colors

$Y_{xy}(83.7715, 0.2889, 0.3239)$

Have a look what the booklet for
Yxy(83.7715, 0.2889, 0.3239)
contains.

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Color

Yxy(83.7750, 0.2891, 0.3237)

Conversions

Conversions Part 1

Format	Color
Hex	D1F2F7
RGB	209, 242, 247
RGB Percent	82%, 95%, 97%
CMY	0.1806, 0.0509, 0.0314
CMYK	0.15, 0.02, 0.00, 0.03
HSL	188°, 70%, 89%
HSV	188°, 15%, 97%
XYZ	74.8204, 83.7750, 100.2091
YIQ	232.7030, -21.2730, -5.4410

Conversions

Conversions Part 2

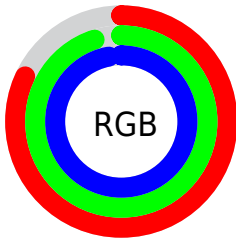
Format	Color
R _Y B	209, 227, 247
Decimal	13759223
CIE Lab	93.35, -9.68, -6.00
CIE LCh	93, 11.389, 211.805
Yxy	83.7750, 0.2891, 0.3237
Android (android.graphics.Color)	4291949303 (0xFFD1F2F7)
YUV	232.7030, 7.0484, -20.7875
Hunter-Lab	91.5287, -14.2599, -0.8429

Details

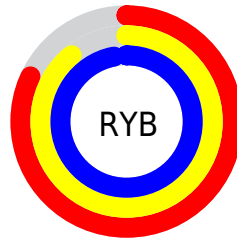
The Yxy color **83.7750, 0.2891, 0.3237** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.4172, 0.3410, 0.3342**, and the grayscale version is **81.2029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.7494, 0.2837, 0.3221** is the 20% darker color. If you saturate the color by 10%, you get **78.5505, 0.2746, 0.3199**, and if you desaturate by 10%, it is **89.5987, 0.3043, 0.3272**.

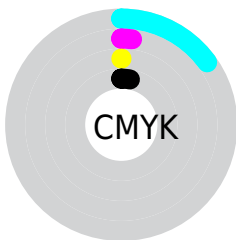
Distribution



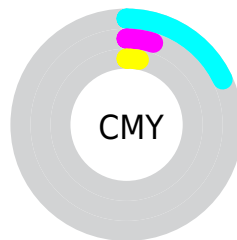
- Red (82%)
- Green (95%)
- Blue (97%)



- Red (82%)
- Yellow (89%)
- Blue (97%)



- Cyan (15%)
- Magenta (2%)
- Yellow (0%)
- Black (3%)



- Cyan (18%)
- Magenta (5%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.7750, 0.2891, 0.3237 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 83.7750, 0.2891, 0.3237 by changing the saturation by 10% instead.

83.7750, 0.2891,
0.3237

83.7750, 0.2891,
0.3237

507.5658, 0.2997,
0.3262

62.8297, 0.2868,
0.3231

138.6604, 0.2927,
0.3246

45.7034, 0.2839,
0.3224

173.3693, 0.2941,
0.3249

32.0119, 0.2803,
0.3215

213.4348, 0.2954,
0.3252

21.3706, 0.2758,
0.3203

259.2413, 0.2964,
0.3255

13.3951, 0.2698,
0.3186

311.1733, 0.2974,
0.3257

7.7012, 0.2614,
0.3162

369.6151, 0.2982,

3.9044, 0.2489,

0.3259

0.3124

434.9511, 0.2990,
0.3260

■ 1.6202, 0.2287,
0.3056

■ 0.3712, 0.0888,
0.2830

■ 83.7750, 0.2891,
0.3237

■ 83.7750, 0.2891,
0.3237

■ 78.5505, 0.2746,
0.3199

■ 89.5987, 0.3043,
0.3272

■ 73.8888, 0.2610,
0.3158

■ 95.3965, 0.3178,
0.3304

■ 69.7657, 0.2487,
0.3115

■ 97.4000, 0.3176,
0.3335

■ 66.1508, 0.2380,
0.3070

■ 99.4378, 0.3174,
0.3366

■ 63.0105, 0.2291,
0.3024

■ 99.4945, 0.3174,
0.3367

■ 60.3072, 0.2222,
0.2977

■ 57.9965, 0.2171,
0.2931

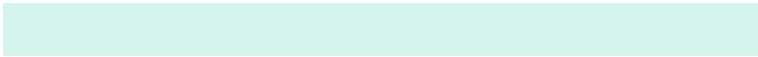
■ 56.0243, 0.2140,
0.2885

■ 55.1939, 0.2129,
0.2864

Harmonies

Analogous

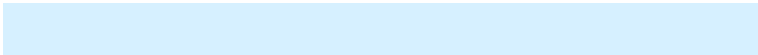
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.7750, 0.2966, 0.3358



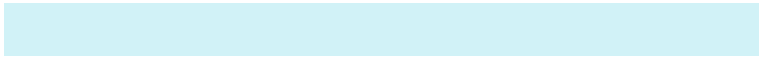
83.7750, 0.2891, 0.3237



83.7750, 0.2878, 0.3134

Triad

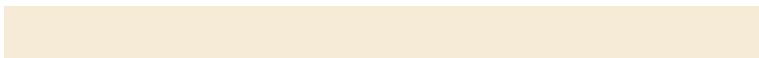
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.7750, 0.2891, 0.3237



83.7750, 0.3167, 0.3128



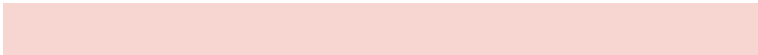
83.7750, 0.3326, 0.3507

Complementary

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



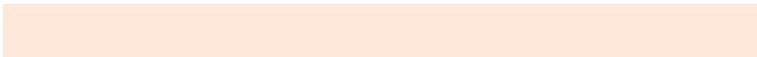
83.7750, 0.2891, 0.3237



72.4172, 0.3410, 0.3342

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.



83.7750, 0.3382, 0.3439



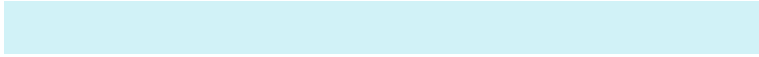
83.7750, 0.2891, 0.3237



83.7750, 0.3290, 0.3222

Square

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



83.7750, 0.2891, 0.3237



83.7750, 0.3035, 0.3075



83.7750, 0.3369, 0.3335



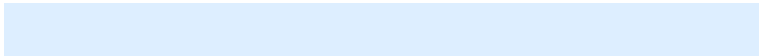
83.7750, 0.3216, 0.3516

Rectangle

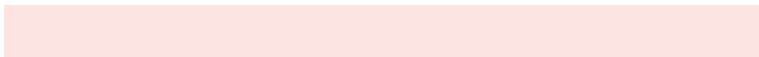
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



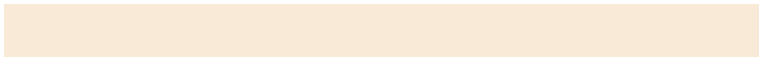
83.7750, 0.2891, 0.3237



83.7750, 0.2906, 0.3090



83.7750, 0.3369, 0.3335



83.7750, 0.3352, 0.3490

Sweetspot

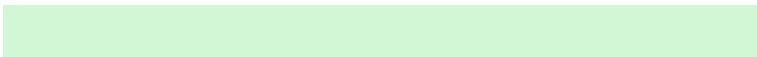
The Sweet Spot groups the original color and five complimentary colors.



83.7785, 0.2891, 0.3237



96.6047, 0.3049, 0.3274



84.8827, 0.3082, 0.3654



20.5781, 0.3038, 0.3271



0.0000, 0.0000, 0.0000



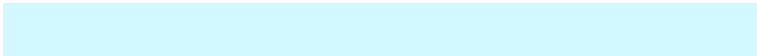
21.4041, 0.3127, 0.3290

Same Dimension

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



83.7785, 0.2891, 0.3237



88.5484, 0.2852, 0.3227



73.3176, 0.2883, 0.3037



18.3673, 0.2981, 0.3258



29.3441, 0.2131, 0.2872



2.6796, 0.2147, 0.2929

Inverse Universe

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



71.7559, 0.3179, 0.2956



73.7503, 0.3189, 0.2898



82.3117, 0.3381, 0.3530



16.7289, 0.3158, 0.3087



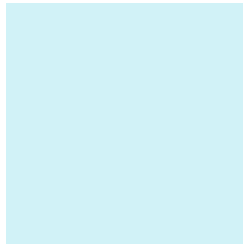
13.0617, 0.3569, 0.1740



1.1581, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 83.7750, 0.2891, 0.3237 looks on a white background.

Color Contrast Check

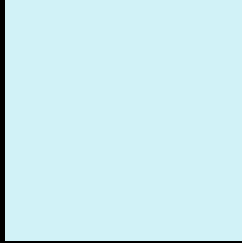
Large Text (above 18pt) WCAG AA × Fail

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 83.7750, 0.2891, 0.3237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

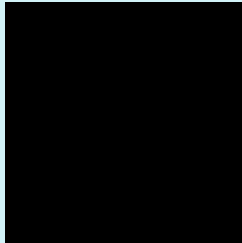
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

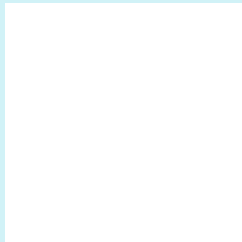
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.7750, 0.2891, 0.3237

Background



This preview shows how black text looks on a background with the Yxy color 83.7750, 0.2891, 0.3237.

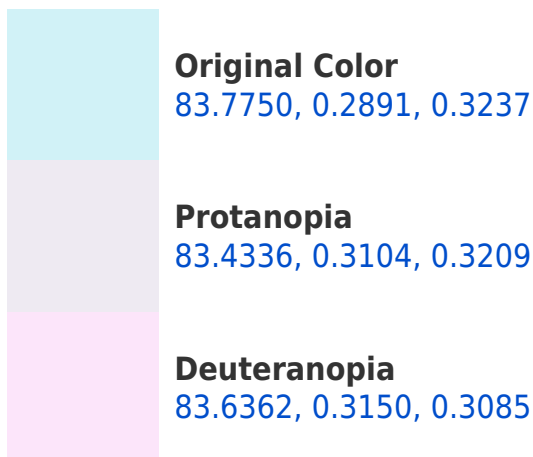


This preview shows how white text looks on a background with the Yxy color 83.7750, 0.2891, 0.3237.

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

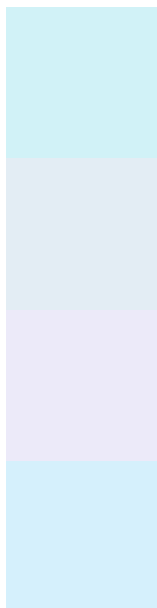




Tritanopia

83.5519, 0.2888, 0.3124

Trichromacy



Original Color

83.7750, 0.2891, 0.3237

Protanomaly

83.4309, 0.3019, 0.3218

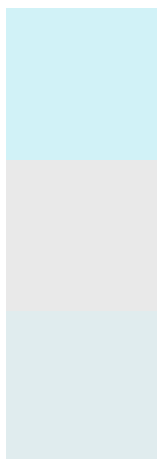
Deuteranomaly

83.5181, 0.3048, 0.3139

Tritanomaly

83.4946, 0.2887, 0.3164

Monochromacy



Original Color

83.7750, 0.2891, 0.3237

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.0112, 0.3036, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.7750, 0.2891, 0.3237 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, 242, 247)` looks like.

```
.text, #text, p{  
    color:rgb(209, 242, 247)  
}
```

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, 242, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 242, 247) }
```

Border

The CSS property to change the border of an element to Yxy 83.7750, 0.2891, 0.3237 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, 242, 247) }
```

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

```
.border{ border-color:rgb(209, 242, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 242, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 242, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 242, 247);  
box-shadow:4px 4px 4px 4px rgb(209, 242,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 83.7750, 0.2891, 0.3237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 242, 247) }
```

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

```
.background{ background-color: rgb(209,  
242, 247) }
```

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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