

Converting Colors

$Yxy(83.6277, 0.2993, 0.3353)$

Have a look what the booklet for
Yxy(83.6277, 0.2993, 0.3353)
contains.

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Color

Yxy(83.3558, 0.2996, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	D7F1EB
RGB	215, 241, 235
RGB Percent	84%, 95%, 92%
CMY	0.1568, 0.0549, 0.0784
CMYK	0.11, 0.00, 0.02, 0.05
HSL	166°, 48%, 89%
HSV	166°, 11%, 95%
XYZ	74.4808, 83.3558, 90.7641
YIQ	232.5420, -13.5700, -7.3780

Conversions

Conversions Part 2

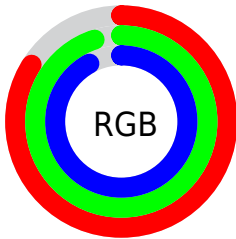
Format	Color
R _Y B	215, 230, 241
Decimal	14152171
CIE Lab	93.17, -9.59, -0.00
CIE LCh	93, 9.591, 180.016
Yxy	83.3558, 0.2996, 0.3353
Android (android.graphics.Color)	4292342251 (0xFFD7F1EB)
YUV	232.5420, 1.2118, -15.3843
Hunter-Lab	91.2994, -14.1562, 4.9672

Details

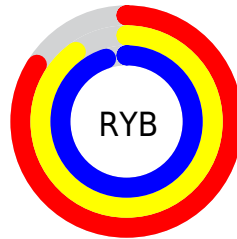
The Yxy color **83.3558, 0.2996, 0.3353** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.5362, 0.3277, 0.3228**, and the grayscale version is **81.1270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4262, 0.2968, 0.3372** is the 20% darker color. If you saturate the color by 10%, you get **79.6586, 0.2880, 0.3418**, and if you desaturate by 10%, it is **87.6074, 0.3118, 0.3294**.

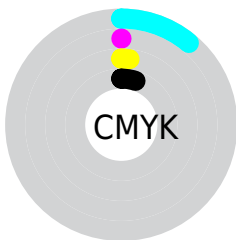
Distribution



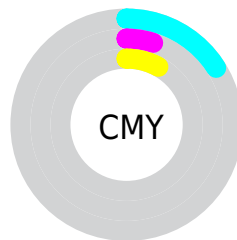
- Red (84%)
- Green (95%)
- Blue (92%)



- Red (84%)
- Yellow (90%)
- Blue (95%)



- Cyan (11%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (16%)
- Magenta (5%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3558, 0.2996, 0.3353 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 83.3558, 0.2996, 0.3353 by changing the saturation by 10% instead.

83.3558, 0.2996,
0.3353

83.3558, 0.2996,
0.3353

506.1715, 0.3055,
0.3325

62.4837, 0.2983,
0.3359

138.0737, 0.3016,
0.3343

45.4237, 0.2967,
0.3367

172.6883, 0.3024,
0.3339

31.7913, 0.2946,
0.3377

212.6525, 0.3031,
0.3336

21.2021, 0.2920,
0.3389

258.3507, 0.3037,
0.3333

13.2718, 0.2886,
0.3406

310.1673, 0.3043,
0.3331

7.6160, 0.2837,
0.3429

368.4867, 0.3047,

3.8502, 0.2763,

0.3329

0.3464

433.6933, 0.3051,
0.3326

■ 1.5901, 0.2640,
0.3523

■ 0.3509, 0.1194,
0.4215

■ 83.3558, 0.2996,
0.3353

■ 83.3558, 0.2996,
0.3353

■ 79.6586, 0.2880,
0.3418

■ 87.6074, 0.3118,
0.3294

■ 76.4819, 0.2773,
0.3488

■ 90.8314, 0.3188,
0.3241

■ 73.8040, 0.2676,
0.3563

■ 91.1783, 0.3154,
0.3187

■ 71.5974, 0.2595,
0.3643

■ 91.3898, 0.3133,
0.3156

■ 69.8323, 0.2530,
0.3727

■ 68.4751, 0.2485,
0.3812

■ 67.4875, 0.2459,
0.3898

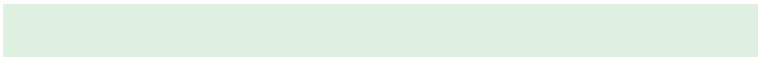
■ 66.8234, 0.2453,
0.3984

■ 66.4291, 0.2462,
0.4063

Harmonies

Analogous

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



83.3558, 0.3098, 0.3438



83.3558, 0.2996, 0.3353



83.3558, 0.2930, 0.3252

Triad

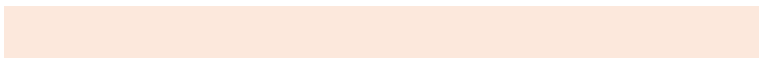
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3558, 0.2996, 0.3353



83.3558, 0.3044, 0.3106



83.3558, 0.3343, 0.3412

Complementary

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



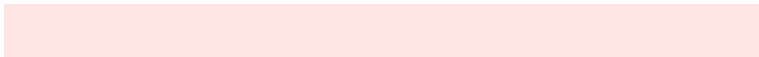
83.3558, 0.2996, 0.3353



72.5362, 0.3277, 0.3228

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.



83.3558, 0.3329, 0.3323



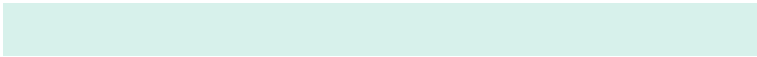
83.3558, 0.2996, 0.3353



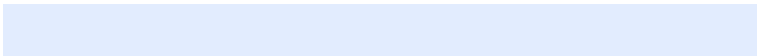
83.3558, 0.3154, 0.3149

Square

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



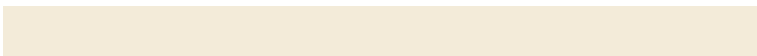
83.3558, 0.2996, 0.3353



83.3558, 0.2957, 0.3111



83.3558, 0.3259, 0.3227



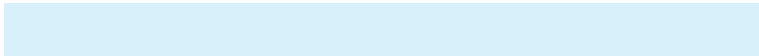
83.3558, 0.3299, 0.3471

Rectangle

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



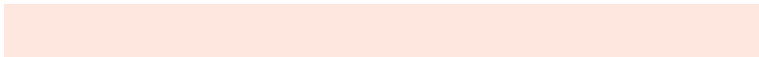
83.3558, 0.2996, 0.3353



83.3558, 0.2914, 0.3190



83.3558, 0.3259, 0.3227



83.3558, 0.3345, 0.3385

Sweetspot

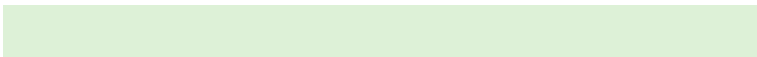
The Sweet Spot groups the original color and five complimentary colors.



83.3593, 0.2996, 0.3353



98.4647, 0.3090, 0.3307



83.2031, 0.3154, 0.3567



20.9898, 0.3080, 0.3312



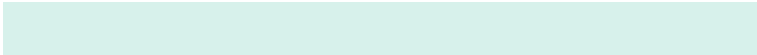
0.0000, 0.0000, 0.0000



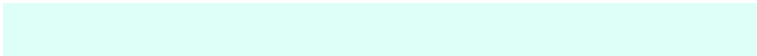
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3593, 0.2996, 0.3353



93.7630, 0.2969, 0.3367



79.6888, 0.2960, 0.3216



17.8629, 0.3012, 0.3345



36.0452, 0.2458, 0.4049



3.0136, 0.2427, 0.3936

Inverse Universe

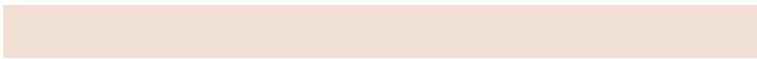
The Inverse Universe completely reimagines the original color for something new.



72.5362, 0.3277, 0.3228



79.1080, 0.3313, 0.3214



75.8253, 0.3311, 0.3363



15.8186, 0.3257, 0.3236



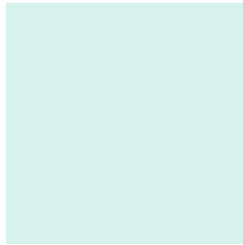
10.3108, 0.5988, 0.3072



0.8726, 0.5624, 0.2872

Previews

White Background



This preview shows how the Yxy color 83.3558, 0.2996, 0.3353 looks on a white background.

Color Contrast Check

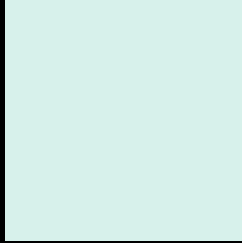
Large Text (above 18pt) WCAG AA × Fail

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 83.3558, 0.2996, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

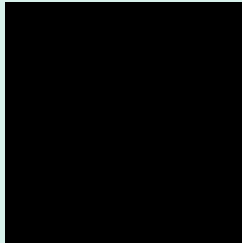
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

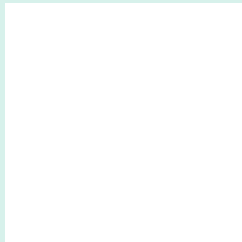
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3558, 0.2996, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 83.3558, 0.2996, 0.3353.

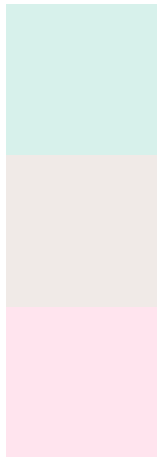


This preview shows how white text looks on a background with the Yxy color 83.3558, 0.2996, 0.3353.

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

83.3558, 0.2996, 0.3353

Protanopia

83.1404, 0.3187, 0.3321

Deuteranopia

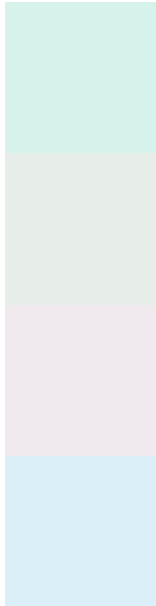
82.9199, 0.3250, 0.3192



Tritanopia

83.5847, 0.2912, 0.3115

Trichromacy



Original Color

83.3558, 0.2996, 0.3353

Protanomaly

83.3835, 0.3118, 0.3342

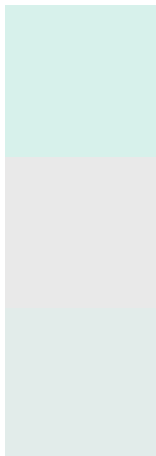
Deuteranomaly

82.9175, 0.3149, 0.3250

Tritanomaly

83.4157, 0.2940, 0.3196

Monochromacy



Original Color

83.3558, 0.2996, 0.3353

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1002, 0.3073, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3558, 0.2996, 0.3353 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(215, 241, 235)` looks like.

```
.text, #text, p{  
    color:rgb(215, 241, 235)  
}
```

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(215, 241, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 241, 235) }
```

Border

The CSS property to change the border of an element to Yxy 83.3558, 0.2996, 0.3353 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(215, 241, 235) }
```

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

```
.border{ border-color:rgb(215, 241, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 241, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(215, 241, 235); -webkit-box-shadow:4px 4px 4px 4px rgb(215, 241, 235); box-shadow:4px 4px 4px 4px rgb(215, 241, 235) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3558, 0.2996, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 241, 235) }
```

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

```
.background{ background-color: rgb(215,  
241, 235) }
```

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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