

Converting Colors

Yxy(83.3142, 0.3034, 0.3419)

Have a look what the booklet for
Yxy(83.3142, 0.3034, 0.3419)
contains.

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Color

Yxy(83.1667, 0.3037, 0.3417)

Conversions

Conversions Part 1

Format	Color
Hex	D8F1E5
RGB	216, 241, 229
RGB Percent	85%, 95%, 90%
CMY	0.1530, 0.0549, 0.1018
CMYK	0.10, 0.00, 0.05, 0.05
HSL	151°, 47%, 90%
HSV	151°, 10%, 95%
XYZ	73.9178, 83.1667, 86.3064
YIQ	232.1570, -11.0480, -9.0320

Conversions

Conversions Part 2

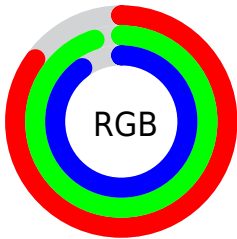
Format	Color
R_{YB}	216, 232, 241
Decimal	14217701
CIE Lab	93.09, -10.40, 2.99
CIE LCh	93, 10.820, 163.968
Yxy	83.1667, 0.3037, 0.3417
Android (android.graphics.Color)	4292407781 (0xFFD8F1E5)
YUV	232.1570, -1.5564, -14.1697
Hunter-Lab	91.1958, -14.9112, 7.7258

Details

The Yxy color **83.1667, 0.3037, 0.3417** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4083, 0.3228, 0.3166**, and the grayscale version is **80.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3310, 0.3013, 0.3441** is the 20% darker color. If you saturate the color by 10%, you get **79.1414, 0.2953, 0.3554**, and if you desaturate by 10%, it is **87.7802, 0.3124, 0.3294**.

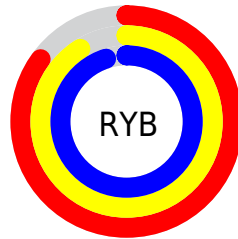
Distribution



Red (85%)

Green (95%)

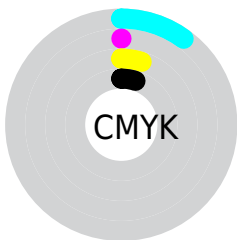
Blue (90%)



Red (85%)

Yellow (91%)

Blue (95%)

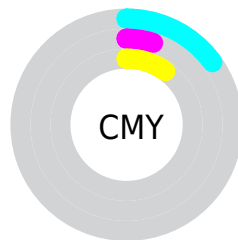


Cyan (10%)

Magenta (0%)

Yellow (5%)

Black (5%)



Cyan (15%)


Magenta (5%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.1667, 0.3037, 0.3417 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 83.1667, 0.3037, 0.3417 by changing the saturation by 10% instead.


 83.1667, 0.3037,
0.3417

 83.1667, 0.3037,
0.3417


505.5419, 0.3078,
0.3359

 62.3277, 0.3028,
0.3430

137.8089, 0.3051,
0.3397

 45.2975, 0.3016,
0.3446


172.3809, 0.3057,
0.3389

 31.6918, 0.3002,
0.3466

212.2993, 0.3061,
0.3383

 21.1262, 0.2984,
0.3493

257.9486, 0.3066,
0.3377

 13.2163, 0.2959,
0.3528

309.7131, 0.3069,
0.3371

 7.5777, 0.2924,
0.3578

367.9772, 0.3073,

 3.8259, 0.2870,

0.3367

0.3656

433.1254, 0.3075,
0.3363

■ 1.5767, 0.2778,
0.3790

■ 0.3418, 0.1233,
0.5934

■ 83.1667, 0.3037,
0.3417

■ 83.1667, 0.3037,
0.3417

■ 79.1414, 0.2953,
0.3554

■ 87.7802, 0.3124,
0.3294

■ 75.6697, 0.2874,
0.3705

■ 91.2088, 0.3151,
0.3183

■ 72.7290, 0.2803,
0.3869

■ 91.3939, 0.3133,
0.3156

■ 70.2915, 0.2744,
0.4045

■ 68.3263, 0.2700,
0.4230

■ 66.7994, 0.2674,
0.4420

■ 65.6716, 0.2668,
0.4609

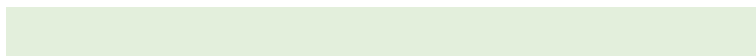
■ 64.8966, 0.2682,
0.4793

■ 64.4107, 0.2712,
0.4962

Harmonies

Analogous

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



83.1667, 0.3161, 0.3491



83.1667, 0.3037, 0.3417



83.1667, 0.2938, 0.3308

Triad

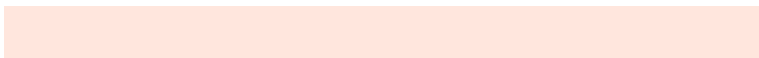
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.1667, 0.3037, 0.3417



83.1667, 0.2975, 0.3079



83.1667, 0.3371, 0.3376

Complementary

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



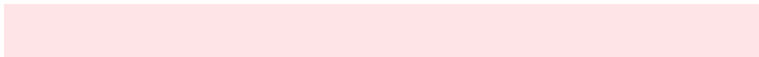
83.1667, 0.3037, 0.3417



73.4083, 0.3228, 0.3166

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.



83.1667, 0.3319, 0.3268



83.1667, 0.3037, 0.3417



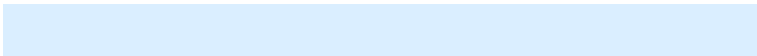
83.1667, 0.3089, 0.3099

Square

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



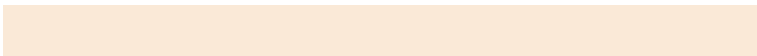
83.1667, 0.3037, 0.3417



83.1667, 0.2903, 0.3113



83.1667, 0.3215, 0.3168



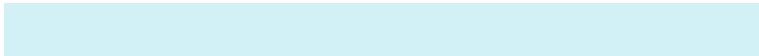
83.1667, 0.3356, 0.3464

Rectangle

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



83.1667, 0.3037, 0.3417



83.1667, 0.2899, 0.3232



83.1667, 0.3215, 0.3168



83.1667, 0.3361, 0.3341

Sweetspot

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



83.1702, 0.3037, 0.3417



98.3442, 0.3101, 0.3325



84.3785, 0.3195, 0.3553



20.9572, 0.3094, 0.3335



0.0000, 0.0000, 0.0000



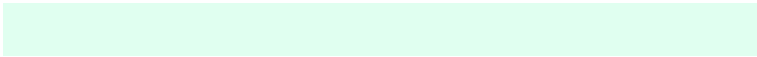
21.4041, 0.3127, 0.3290

Same Dimension

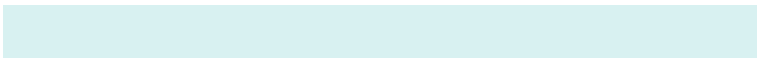
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.1702, 0.3037, 0.3417



93.7434, 0.3023, 0.3439



83.6160, 0.2967, 0.3285



17.7940, 0.3045, 0.3405



34.9541, 0.2704, 0.4934



2.9280, 0.2639, 0.4701

Inverse Universe

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



73.4083, 0.3228, 0.3166



81.0215, 0.3246, 0.3146



72.9800, 0.3311, 0.3295



15.8849, 0.3218, 0.3177



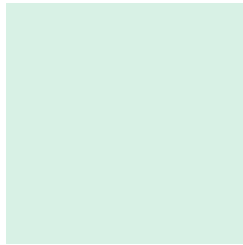
10.8439, 0.5048, 0.2555



0.9221, 0.4742, 0.2386

Previews

White Background



This preview shows how the Yxy color 83.1667, 0.3037, 0.3417 looks on a white background.

Color Contrast Check

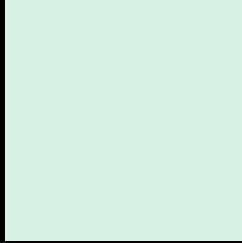
Large Text (above 18pt) WCAG AA × Fail

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 83.1667, 0.3037, 0.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

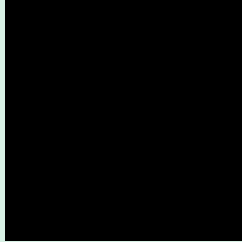
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

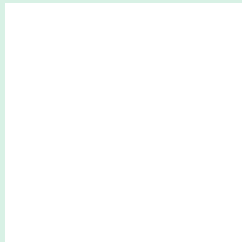
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.1667, 0.3037, 0.3417

Background



This preview shows how black text looks on a background with the Yxy color 83.1667, 0.3037, 0.3417.

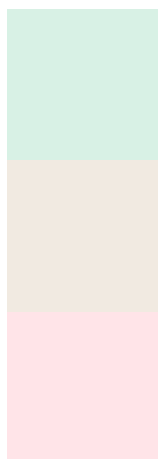


This preview shows how white text looks on a background with the Yxy color 83.1667, 0.3037, 0.3417.

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

83.1667, 0.3037, 0.3417

Protanopia

82.9827, 0.3232, 0.3382

Deuteranopia

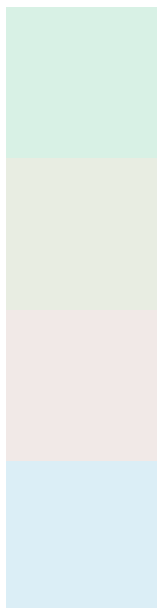
82.5730, 0.3289, 0.3251



Tritanopia

83.1605, 0.2918, 0.3105

Trichromacy



Original Color

83.1667, 0.3037, 0.3417

Protanomaly

83.2152, 0.3162, 0.3404

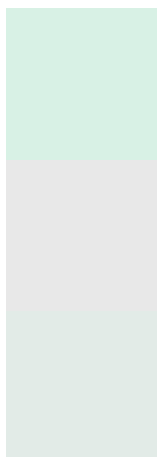
Deuteranomaly

82.7481, 0.3194, 0.3311

Tritanomaly

82.8630, 0.2957, 0.3206

Monochromacy



Original Color

83.1667, 0.3037, 0.3417

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3549, 0.3092, 0.3332

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1667, 0.3037, 0.3417 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(216, 241, 229)` looks like.

```
.text, #text, p{  
    color:rgb(216, 241, 229)  
}
```

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(216, 241, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 241, 229) }
```

Border

The CSS property to change the border of an element to Yxy 83.1667, 0.3037, 0.3417 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(216, 241, 229) }
```

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

```
.border{ border-color:rgb(216, 241, 229) }
```

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

Here you see how a box with a 4 pixel rgb(216, 241, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 241, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 241, 229);  
box-shadow:4px 4px 4px 4px rgb(216, 241,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1667, 0.3037, 0.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 241, 229) }
```

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

```
.background{ background-color: rgb(216,  
241, 229) }
```

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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