

Converting Colors

$Y_{xy}(83.7055, 0.2969, 0.3325)$

Have a look what the booklet for
Yxy(83.7055, 0.2969, 0.3325)
contains.

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Color

Yxy(83.9734, 0.2972, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	D6F2EE
RGB	214, 242, 238
RGB Percent	84%, 95%, 93%
CMY	0.1611, 0.0509, 0.0667
CMYK	0.12, 0.00, 0.02, 0.05
HSL	171°, 52%, 89%
HSV	171°, 12%, 95%
XYZ	74.9006, 83.9734, 93.1470
YIQ	233.1720, -15.4040, -7.1800

Conversions

Conversions Part 2

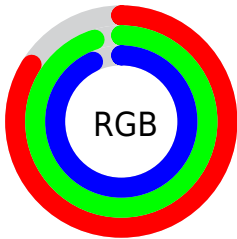
Format	Color
R_{YB}	214, 229, 242
Decimal	14086894
CIE Lab	93.44, -9.89, -1.17
CIE LCh	93, 9.955, 186.761
Yxy	83.9734, 0.2972, 0.3332
Android (android.graphics.Color)	4292276974 (0xFFD6F2EE)
YUV	233.1720, 2.3802, -16.8138
Hunter-Lab	91.6370, -14.4656, 3.8789

Details

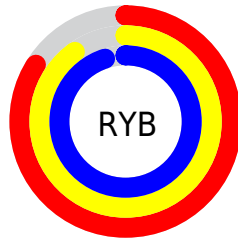
The Yxy color **83.9734, 0.2972, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **71.9997, 0.3307, 0.3249**, and the grayscale version is **81.6059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8661, 0.2938, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **80.4015, 0.2846, 0.3372**, and if you desaturate by 10%, it is **88.0972, 0.3105, 0.3296**.

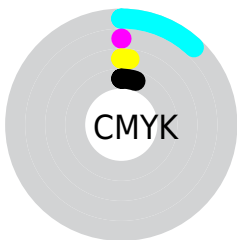
Distribution



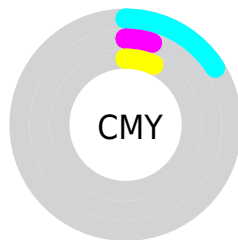
- Red (84%)
- Green (95%)
- Blue (93%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (16%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.9734, 0.2972, 0.3332 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 83.9734, 0.2972, 0.3332 by changing the saturation by 10% instead.


 83.9734, 0.2972,
0.3332

 83.9734, 0.2972,
0.3332


508.2249, 0.3042,
0.3313

 62.9935, 0.2956,
0.3336

138.9380, 0.2996,
0.3326

 45.8359, 0.2938,
0.3341

173.6914, 0.3005,
0.3323

 32.1164, 0.2914,
0.3347


213.8048, 0.3013,
0.3321

 21.4504, 0.2883,
0.3355

259.6625, 0.3021,
0.3319

 13.4536, 0.2843,
0.3366

311.6490, 0.3027,
0.3317

 7.7417, 0.2786,
0.3380

370.1486, 0.3032,

 3.9301, 0.2701,

0.3316

0.3401

435.5458, 0.3037,
0.3315

■ 1.6345, 0.2560,
0.3435

■ 0.3807, 0.1208,
0.3816

■ 83.9734, 0.2972,
0.3332

■ 83.9734, 0.2972,
0.3332

■ 80.4015, 0.2846,
0.3372

■ 88.0972, 0.3105,
0.3296

■ 77.3471, 0.2729,
0.3415

■ 91.3666, 0.3194,
0.3262


■ 74.7883, 0.2626,
0.3461


■ 91.5804, 0.3173,
0.3229


■ 72.6972, 0.2538,
0.3509


■ 91.7981, 0.3152,
0.3195


 71.0434, 0.2468,
0.3559

 91.9981, 0.3133,
0.3166

 69.7927, 0.2418,
0.3610

 68.9060, 0.2387,
0.3661

 68.3360, 0.2375,
0.3712

 68.0400, 0.2376,
0.3755

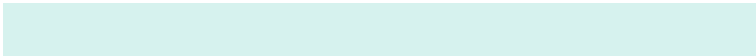
Harmonies

Analogous

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



83.9734, 0.3071, 0.3426



83.9734, 0.2972, 0.3332



83.9734, 0.2915, 0.3228

Triad

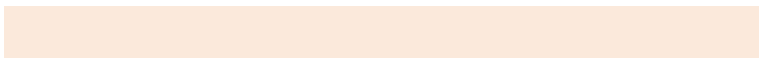
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.9734, 0.2972, 0.3332



83.9734, 0.3065, 0.3106



83.9734, 0.3346, 0.3434

Complementary

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



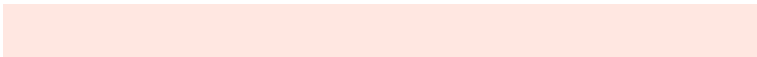
83.9734, 0.2972, 0.3332



71.9997, 0.3307, 0.3249

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.



83.9734, 0.3345, 0.3346



83.9734, 0.2972, 0.3332



83.9734, 0.3181, 0.3159

Square

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



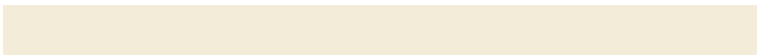
83.9734, 0.2972, 0.3332



83.9734, 0.2968, 0.3099



83.9734, 0.3284, 0.3247



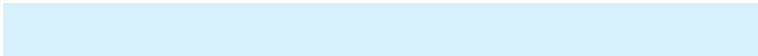
83.9734, 0.3287, 0.3484

Rectangle

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



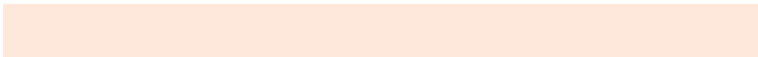
83.9734, 0.2972, 0.3332



83.9734, 0.2907, 0.3167



83.9734, 0.3284, 0.3247



83.9734, 0.3352, 0.3407

Sweetspot

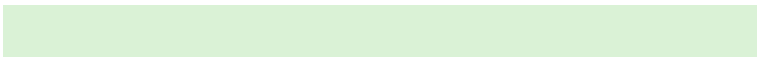
The Sweet Spot groups the original color and five complimentary colors.



83.9769, 0.2972, 0.3332



98.5074, 0.3086, 0.3300



83.2975, 0.3140, 0.3591



21.0014, 0.3075, 0.3303



0.0000, 0.0000, 0.0000



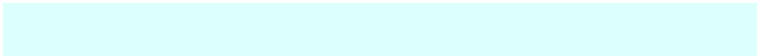
21.4041, 0.3127, 0.3290

Same Dimension

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



83.9769, 0.2972, 0.3332



93.5215, 0.2941, 0.3341



78.5190, 0.2947, 0.3185



17.8877, 0.3000, 0.3324



36.5594, 0.2374, 0.3746



3.0520, 0.2355, 0.3679

Inverse Universe

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



71.9997, 0.3307, 0.3249



77.4841, 0.3351, 0.3239



76.9173, 0.3323, 0.3393



15.7957, 0.3271, 0.3256



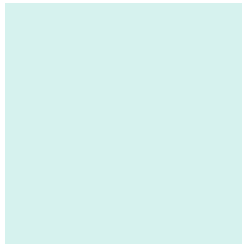
10.2170, 0.6207, 0.3193



0.8613, 0.5896, 0.3022

Previews

White Background



This preview shows how the Yxy color 83.9734, 0.2972, 0.3332 looks on a white background.

Color Contrast Check

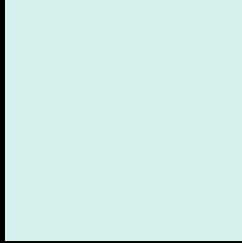
Large Text (above 18pt) WCAG AA × Fail

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 83.9734, 0.2972, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

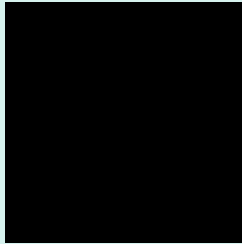
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

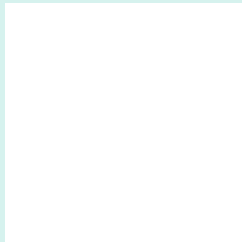
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.9734, 0.2972, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 83.9734, 0.2972, 0.3332.

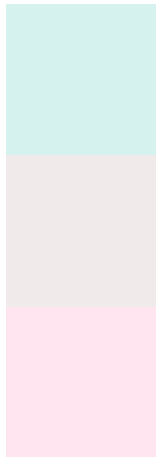


This preview shows how white text looks on a background with the Yxy color 83.9734, 0.2972, 0.3332.

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

83.9734, 0.2972, 0.3332

Protanopia

83.8824, 0.3167, 0.3300

Deuteranopia

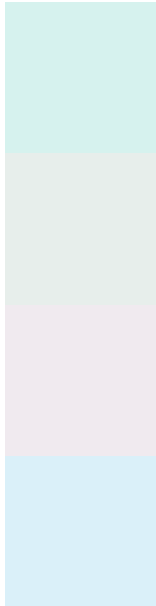
83.5899, 0.3236, 0.3182



Tritanopia

84.1686, 0.2912, 0.3125

Trichromacy



Original Color

83.9734, 0.2972, 0.3332

Protanomaly

84.1362, 0.3099, 0.3321

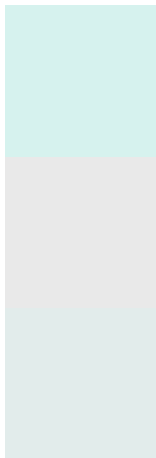
Deuteranomaly

83.6029, 0.3136, 0.3240

Tritanomaly

84.0652, 0.2934, 0.3196

Monochromacy



Original Color

83.9734, 0.2972, 0.3332

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.1578, 0.3067, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.9734, 0.2972, 0.3332 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(214, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(214, 242, 238)  
}
```

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(214, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 242, 238) }
```

Border

The CSS property to change the border of an element to Yxy 83.9734, 0.2972, 0.3332 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(214, 242, 238) }
```

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

```
.border{ border-color:rgb(214, 242, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(214, 242,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 83.9734, 0.2972, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 242, 238) }
```

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

```
.background{ background-color: rgb(214,  
242, 238) }
```

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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