

Converting Colors

$Yxy(83.7981, 0.2940, 0.3368)$

Have a look what the booklet for
Yxy(83.7981, 0.2940, 0.3368)
contains.

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Color

Yxy(84.0229, 0.2941, 0.3375)

Conversions

Conversions Part 1

Format	Color
Hex	CFF4EC
RGB	207, 244, 236
RGB Percent	81%, 96%, 93%
CMY	0.1883, 0.0431, 0.0745
CMYK	0.15, 0.00, 0.03, 0.04
HSL	167°, 63%, 88%
HSV	167°, 15%, 96%
XYZ	73.2182, 84.0229, 91.7157
YIQ	232.0250, -19.4840, -10.3320

Conversions

Conversions Part 2

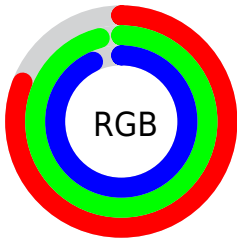
Format	Color
R _{YB}	207, 228, 244
Decimal	13628652
CIE _{Lab}	93.46, -13.46, -0.16
CIE _{LCh}	93, 13.464, 180.670
Y _{xy}	84.0229, 0.2941, 0.3375
Android (android.graphics.Color)	4291818732 (0xFFCFF4EC)
Y _{UV}	232.0250, 1.9597, -21.9469
Hunter-Lab	91.6640, -17.8321, 4.8414

Details

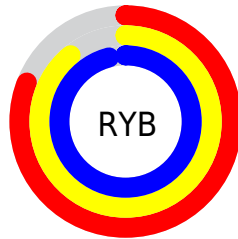
The Yxy color **84.0229, 0.2941, 0.3375** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.7559, 0.3353, 0.3207**, and the grayscale version is **80.7110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.9371, 0.2900, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **80.4774, 0.2827, 0.3438**, and if you desaturate by 10%, it is **88.1276, 0.3062, 0.3318**.

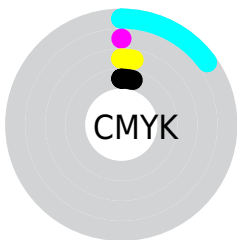
Distribution



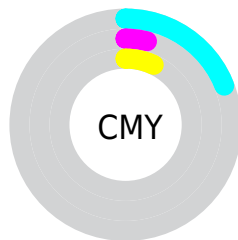
- Red (81%)
- Green (96%)
- Blue (93%)



- Red (81%)
- Yellow (89%)
- Blue (96%)



- Cyan (15%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (19%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0229, 0.2941, 0.3375 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 84.0229, 0.2941, 0.3375 by changing the saturation by 10% instead.

 84.0229, 0.2941,
0.3375

 84.0229, 0.2941,
0.3375

508.3893, 0.3025,
0.3337

 63.0343, 0.2922,
0.3383


139.0072, 0.2970,
0.3362

 45.8690, 0.2900,
0.3394


173.7718, 0.2981,
0.3357

 32.1425, 0.2871,
0.3407


213.8971, 0.2991,
0.3352

 21.4703, 0.2834,
0.3423

259.7676, 0.2999,
0.3349

 13.4682, 0.2785,
0.3446

311.7677, 0.3007,
0.3345

 7.7518, 0.2717,
0.3477

370.2817, 0.3014,

 3.9365, 0.2615,

0.3342

435.6941, 0.3020,
0.3339

0.3523

1.6381, 0.2444,
0.3600

0.3831, 0.0419,
0.4525

84.0229, 0.2941,
0.3375

84.0229, 0.2941,
0.3375

80.4774, 0.2827,
0.3438

88.1276, 0.3062,
0.3318

77.4555, 0.2722,
0.3506

92.6560, 0.3183,
0.3266

74.9340, 0.2631,
0.3578

92.9857, 0.3151,
0.3215

72.8836, 0.2555,
0.3654

93.1879, 0.3132,
0.3185

■ 71.2719, 0.2498,
0.3733

■ 70.0623, 0.2460,
0.3813

■ 69.2123, 0.2442,
0.3894

■ 68.6696, 0.2443,
0.3973

■ 68.4799, 0.2448,
0.4012

Harmonies

Analogous

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



84.0229, 0.3082, 0.3497



84.0229, 0.2941, 0.3375



84.0229, 0.2851, 0.3232

Triad

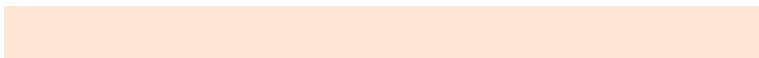
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.0229, 0.2941, 0.3375



84.0229, 0.3013, 0.3035



84.0229, 0.3430, 0.3461

Complementary

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



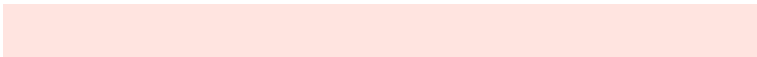
84.0229, 0.2941, 0.3375



68.7559, 0.3353, 0.3207

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.



84.0229, 0.3411, 0.3337



84.0229, 0.2941, 0.3375



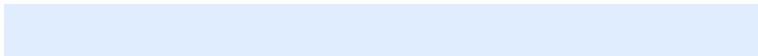
84.0229, 0.3168, 0.3096

Square

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



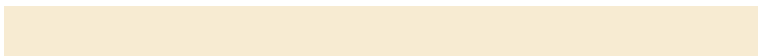
84.0229, 0.2941, 0.3375



84.0229, 0.2892, 0.3039



84.0229, 0.3314, 0.3205



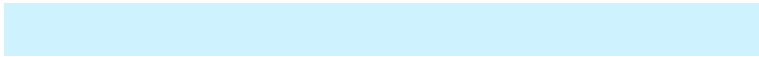
84.0229, 0.3365, 0.3544

Rectangle

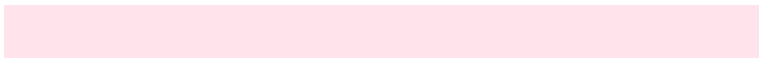
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



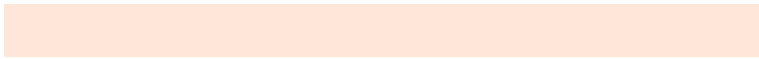
84.0229, 0.2941, 0.3375



84.0229, 0.2831, 0.3146



84.0229, 0.3314, 0.3205



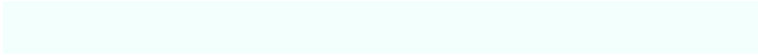
84.0229, 0.3433, 0.3423

Sweetspot

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



84.0264, 0.2941, 0.3375



97.4852, 0.3064, 0.3317



83.6592, 0.3160, 0.3691



20.7929, 0.3056, 0.3321



0.0000, 0.0000, 0.0000



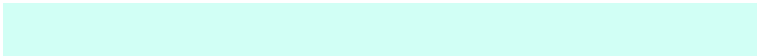
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0264, 0.2941, 0.3375



91.6869, 0.2907, 0.3393



78.3663, 0.2892, 0.3177



18.6928, 0.3009, 0.3342



37.2529, 0.2444, 0.3999



3.2891, 0.2416, 0.3899

Inverse Universe

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



68.7559, 0.3353, 0.3207



72.0259, 0.3404, 0.3190



73.6078, 0.3396, 0.3400



16.5412, 0.3260, 0.3239



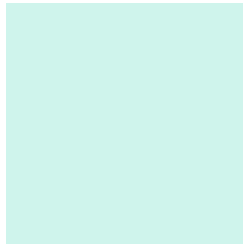
10.6129, 0.6031, 0.3096



0.9474, 0.5692, 0.2909

Previews

White Background



This preview shows how the Yxy color 84.0229, 0.2941, 0.3375 looks on a white background.

Color Contrast Check

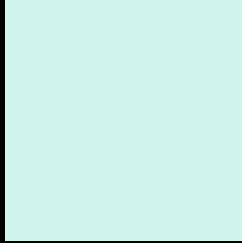
Large Text (above 18pt) WCAG AA × Fail

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 84.0229, 0.2941, 0.3375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

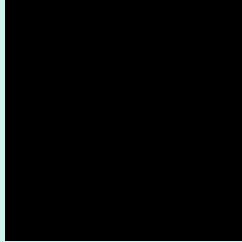
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

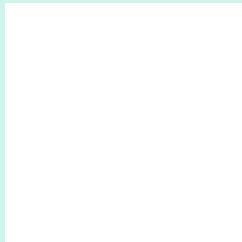
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0229, 0.2941, 0.3375

Background



This preview shows how black text looks on a background with the Yxy color 84.0229, 0.2941, 0.3375.

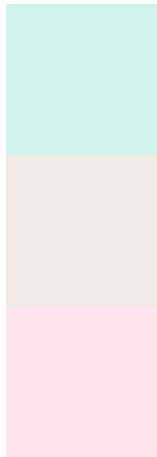


This preview shows how white text looks on a background with the Yxy color 84.0229, 0.2941, 0.3375.

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

84.0229, 0.2941, 0.3375

Protanopia

83.8870, 0.3193, 0.3331

Deuteranopia

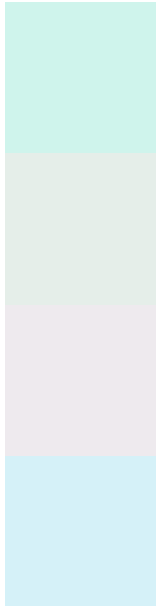
83.5306, 0.3242, 0.3192



Tritanopia

84.1391, 0.2888, 0.3134

Trichromacy



Original Color

84.0229, 0.2941, 0.3375

Protanomaly

83.6903, 0.3098, 0.3342

Deuteranomaly

83.1958, 0.3129, 0.3249

Tritanomaly

83.8340, 0.2909, 0.3216

Monochromacy



Original Color

84.0229, 0.2941, 0.3375

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.5621, 0.3060, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0229, 0.2941, 0.3375 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(207, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(207, 244, 236)  
}
```

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(207, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 244, 236) }
```

Border

The CSS property to change the border of an element to Yxy 84.0229, 0.2941, 0.3375 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(207, 244, 236) }
```

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

```
.border{ border-color:rgb(207, 244, 236) }
```

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

Here you see how a box with a 4 pixel rgb(207, 244, 236) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(207, 244,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0229, 0.2941, 0.3375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 244, 236) }
```

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

```
.background{ background-color: rgb(207,  
244, 236) }
```

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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