

Converting Colors

Yxy(84.2142, 0.2886, 0.3428)

Have a look what the booklet for
Yxy(84.2142, 0.2886, 0.3428)
contains.

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Color

Yxy(84.1978, 0.2888, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	C4F7EA
RGB	196, 247, 234
RGB Percent	77%, 97%, 92%
CMY	0.2314, 0.0313, 0.0825
CMYK	0.21, 0.00, 0.05, 0.03
HSL	165°, 76%, 87%
HSV	165°, 21%, 97%
XYZ	70.8724, 84.1978, 90.3329
YIQ	230.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

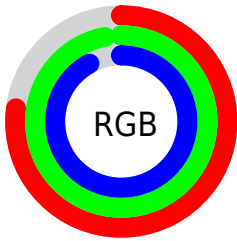
Format	Color
R _Y B	196, 225, 247
Decimal	12908522
CIE Lab	93.54, -18.74, 0.93
CIE LCh	94, 18.761, 177.166
Yxy	84.1978, 0.2888, 0.3431
Android (android.graphics.Color)	4291098602 (0xFFC4F7EA)
YUV	230.2690, 1.8394, -30.0539
Hunter-Lab	91.7594, -22.7104, 5.8633

Details

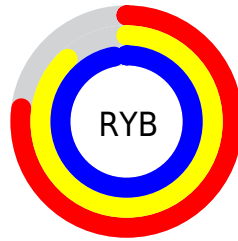
The Yxy color **84.1978, 0.2888, 0.3431** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **63.8605, 0.3438, 0.3154**, and the grayscale version is **79.3412, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **46.1387, 0.2835, 0.3473** is the 20% darker color. If you saturate the color by 10%, you get **80.8006, 0.2783, 0.3509**, and if you desaturate by 10%, it is **88.1602, 0.3001, 0.3359**.

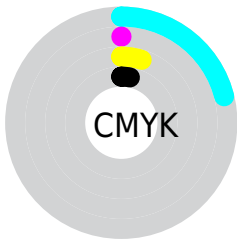
Distribution



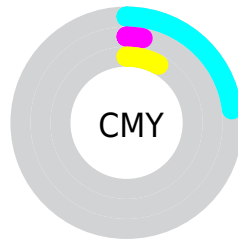
- Red (77%)
- Green (97%)
- Blue (92%)



- Red (77%)
- Yellow (88%)
- Blue (97%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (3%)



- Cyan (23%)
- Magenta (3%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.1978, 0.2888, 0.3431 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 84.1978, 0.2888, 0.3431 by changing the saturation by 10% instead.

84.1978, 0.2888,
0.3431

84.1978, 0.2888,
0.3431

508.9699, 0.2996,
0.3367

63.1788, 0.2864,
0.3445

139.2518, 0.2925,
0.3409

45.9858, 0.2835,
0.3463

174.0556, 0.2939,
0.3401

32.2346, 0.2798,
0.3484

214.2231, 0.2952,
0.3393

21.5408, 0.2751,
0.3513

260.1387, 0.2963,
0.3387

13.5199, 0.2688,
0.3550

312.1867, 0.2973,
0.3381

7.7875, 0.2600,
0.3603

370.7517, 0.2981,

3.9593, 0.2468,

0.3376

436.2179, 0.2989,
0.3371

0.3683

1.6508, 0.2250,
0.3817

0.3915, 0.0000,
0.5200

84.1978, 0.2888,
0.3431

84.1978, 0.2888,
0.3431

80.8006, 0.2783,
0.3509

88.1602, 0.3001,
0.3359

77.9314, 0.2689,
0.3594

92.7022, 0.3119,
0.3294

75.5645, 0.2610,
0.3683

94.8733, 0.3143,
0.3234

73.6682, 0.2547,
0.3776

95.0070, 0.3131,
0.3214

■ 72.2067, 0.2503,
0.3872

■ 71.1395, 0.2480,
0.3969

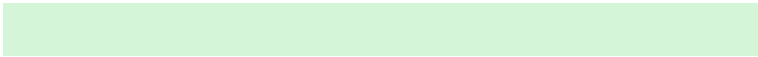
■ 70.4177, 0.2476,
0.4065

■ 69.9819, 0.2487,
0.4154

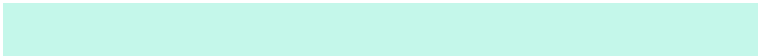
Harmonies

Analogous

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



84.1978, 0.3087, 0.3596



84.1978, 0.2888, 0.3431



84.1978, 0.2755, 0.3229

Triad

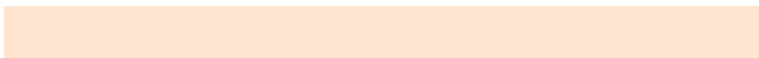
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.1978, 0.2888, 0.3431



84.1978, 0.2944, 0.2935



84.1978, 0.3553, 0.3507

Complementary

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



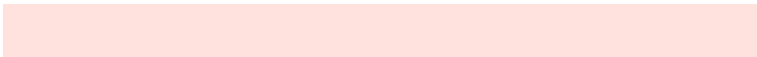
84.1978, 0.2888, 0.3431



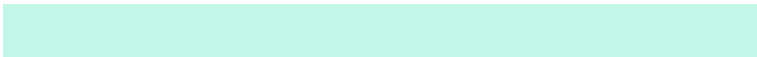
63.8605, 0.3438, 0.3154

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.



84.1978, 0.3514, 0.3331



84.1978, 0.2888, 0.3431



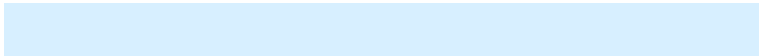
84.1978, 0.3156, 0.3009

Square

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



84.1978, 0.2888, 0.3431



84.1978, 0.2786, 0.2949



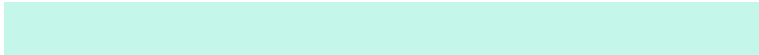
84.1978, 0.3366, 0.3151



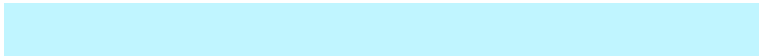
84.1978, 0.3474, 0.3634

Rectangle

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



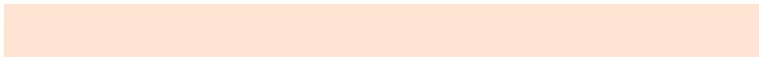
84.1978, 0.2888, 0.3431



84.1978, 0.2719, 0.3106



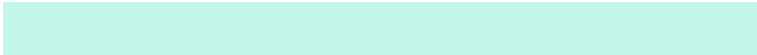
84.1978, 0.3366, 0.3151



84.1978, 0.3554, 0.3451

Sweetspot

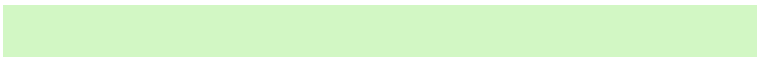
The Sweet Spot groups the original color and five complimentary colors.



84.2013, 0.2888, 0.3431



96.9634, 0.3055, 0.3328



84.1557, 0.3187, 0.3849



20.6864, 0.3048, 0.3332



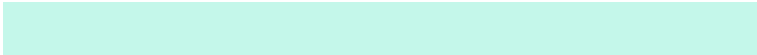
0.0000, 0.0000, 0.0000



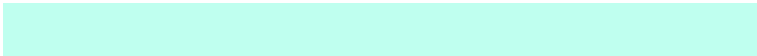
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2013, 0.2888, 0.3431



88.8432, 0.2841, 0.3465



77.9293, 0.2810, 0.3160



18.6812, 0.3015, 0.3351



37.0323, 0.2483, 0.4138



3.2713, 0.2450, 0.4018

Inverse Universe

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



63.8605, 0.3438, 0.3154



63.1626, 0.3523, 0.3123



68.8248, 0.3517, 0.3416



16.5520, 0.3253, 0.3230



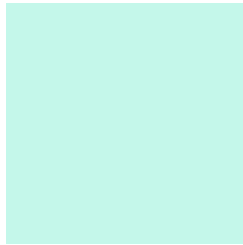
10.6679, 0.5913, 0.3031



0.9536, 0.5563, 0.2838

Previews

White Background



This preview shows how the Yxy color 84.1978, 0.2888, 0.3431 looks on a white background.

Color Contrast Check

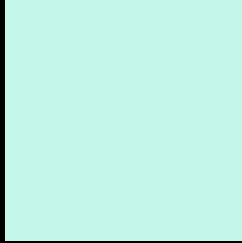
Large Text (above 18pt) WCAG AA × Fail

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 84.1978, 0.2888, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

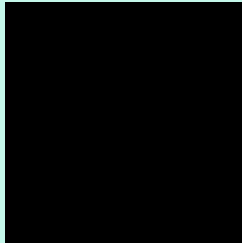
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

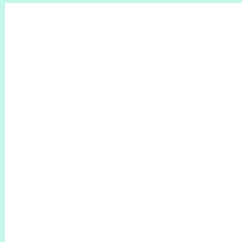
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.1978, 0.2888, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 84.1978, 0.2888, 0.3431.

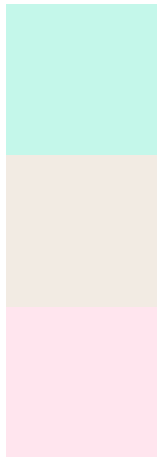


This preview shows how white text looks on a background with the Yxy color 84.1978, 0.2888, 0.3431.

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

84.1978, 0.2888, 0.3431

Protanopia

83.8400, 0.3225, 0.3372

Deuteranopia

83.4717, 0.3249, 0.3202



Tritanopia

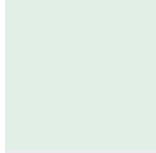
84.1276, 0.2865, 0.3144

Trichromacy



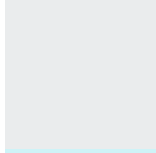
Original Color

84.1978, 0.2888, 0.3431



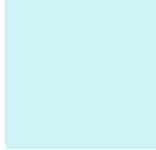
Protanomaly

83.4537, 0.3090, 0.3384



Deuteranomaly

83.5978, 0.3108, 0.3280



Tritanomaly

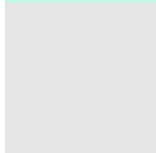
83.9384, 0.2874, 0.3247

Monochromacy



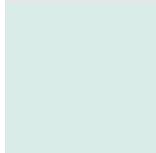
Original Color

84.1978, 0.2888, 0.3431



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

80.6659, 0.3039, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.1978, 0.2888, 0.3431 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(196, 247, 234)` looks like.

```
.text, #text, p{  
    color:rgb(196, 247, 234)  
}
```

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(196, 247, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 247, 234) }
```

Border

The CSS property to change the border of an element to Yxy 84.1978, 0.2888, 0.3431 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(196, 247, 234) }
```

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

```
.border{ border-color:rgb(196, 247, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 247, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 247, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 247, 234);  
box-shadow:4px 4px 4px 4px rgb(196, 247,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 84.1978, 0.2888, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 247, 234) }
```

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

```
.background{ background-color: rgb(196,  
247, 234) }
```

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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