

Converting Colors

Yxy(84.6735, 0.3090, 0.3535)

Have a look what the booklet for
Yxy(84.6735, 0.3090, 0.3535)
contains.

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Color

Yxy(84.6735, 0.3090, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	D9F4DD
RGB	217, 244, 221
RGB Percent	85%, 96%, 87%
CMY	0.1490, 0.0431, 0.1334
CMYK	0.11, 0.00, 0.09, 0.04
HSL	129°, 55%, 90%
HSV	129°, 11%, 96%
XYZ	74.0145, 84.6735, 80.8410
YIQ	233.3050, -8.7090, -12.8770

Conversions

Conversions Part 2

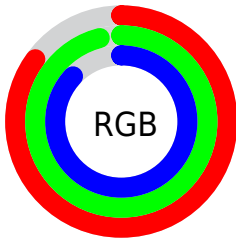
Format	Color
R _Y B	217, 241, 244
Decimal	14283997
CIE Lab	93.74, -13.02, 8.11
CIE LCh	94, 15.341, 148.086
Yxy	84.6735, 0.3090, 0.3535
Android (android.graphics.Color)	4292474077 (0xFFD9F4DD)
YUV	233.3050, -6.0664, -14.2995
Hunter-Lab	92.0182, -17.4561, 12.3245

Details

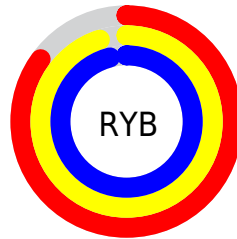
The Yxy color **84.6735, 0.3090, 0.3535** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.1499, 0.3167, 0.3057**, and the grayscale version is **81.7796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.4010, 0.3080, 0.3594** is the 20% darker color. If you saturate the color by 10%, you get **80.1698, 0.3056, 0.3787**, and if you desaturate by 10%, it is **89.8745, 0.3124, 0.3312**.

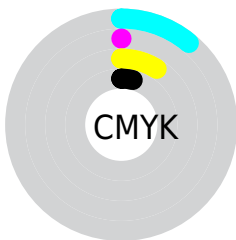
Distribution



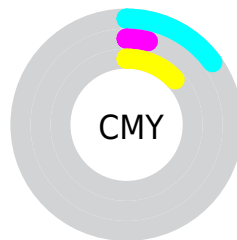
- Red (85%)
- Green (96%)
- Blue (87%)



- Red (85%)
- Yellow (95%)
- Blue (96%)



- Cyan (11%)
- Magenta (0%)
- Yellow (9%)
- Black (4%)




- Cyan (15%)
- Magenta (4%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.6735, 0.3090, 0.3535 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 84.6735, 0.3090, 0.3535 by changing the saturation by 10% instead.

 84.6735, 0.3090,
0.3535

 84.6735, 0.3090,
0.3535


510.5471, 0.3108,
0.3423

 63.5716, 0.3086,
0.3560

139.9169, 0.3096,
0.3496

 46.3038, 0.3081,
0.3592


174.8273, 0.3099,
0.3481

 32.4856, 0.3074,
0.3631


215.1092, 0.3101,
0.3468

 21.7327, 0.3065,
0.3683

261.1472, 0.3103,
0.3457

 13.6606, 0.3053,
0.3753

313.3256, 0.3104,
0.3447

 7.8850, 0.3034,
0.3852

372.0287, 0.3105,

 4.0215, 0.3004,

0.3438

0.4006

437.6411, 0.3107,
0.3430

■ 1.6856, 0.2947,
0.4276

■ 0.4143, 0.1548,
0.8452

■ 84.6735, 0.3090,
0.3535

■ 84.6735, 0.3090,
0.3535

■ 80.1698, 0.3056,
0.3787

■ 89.8745, 0.3124,
0.3312

■ 76.3234, 0.3023,
0.4067

■ 93.1862, 0.3132,
0.3185

■ 73.1066, 0.2992,
0.4371

■ 70.4857, 0.2967,
0.4689

■ 68.4236, 0.2948,
0.5008

■ 66.8792, 0.2940,
0.5308

■ 65.8055, 0.2942,
0.5568

■ 65.1469, 0.2955,
0.5771

■ 64.8341, 0.2971,
0.5895

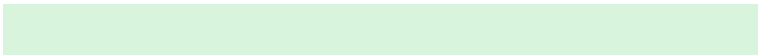
Harmonies

Analogous

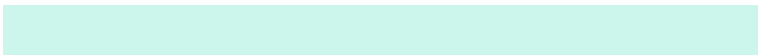
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.6735, 0.3266, 0.3598



84.6735, 0.3090, 0.3535



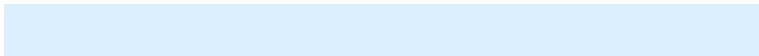
84.6735, 0.2928, 0.3400

Triad

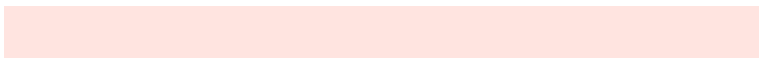
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6735, 0.3090, 0.3535



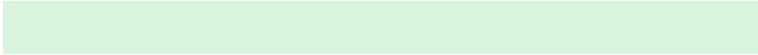
84.6735, 0.2851, 0.3009



84.6735, 0.3444, 0.3330

Complementary

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



84.6735, 0.3090, 0.3535



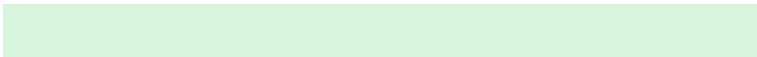
75.1499, 0.3167, 0.3057

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.



84.6735, 0.3327, 0.3181



84.6735, 0.3090, 0.3535



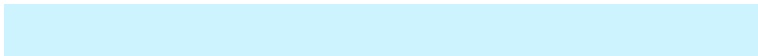
84.6735, 0.2983, 0.2999

Square

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



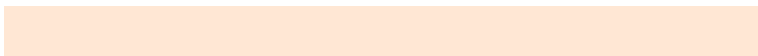
84.6735, 0.3090, 0.3535



84.6735, 0.2792, 0.3094



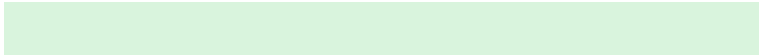
84.6735, 0.3157, 0.3062



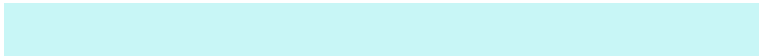
84.6735, 0.3474, 0.3473

Rectangle

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



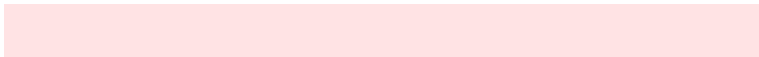
84.6735, 0.3090, 0.3535



84.6735, 0.2848, 0.3291



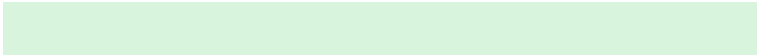
84.6735, 0.3157, 0.3062



84.6735, 0.3414, 0.3279

Sweetspot

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



84.6771, 0.3090, 0.3535



98.1651, 0.3117, 0.3353



88.3121, 0.3268, 0.3566



20.9090, 0.3115, 0.3370



0.0000, 0.0000, 0.0000



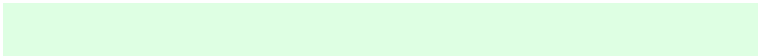
21.4041, 0.3127, 0.3290

Same Dimension

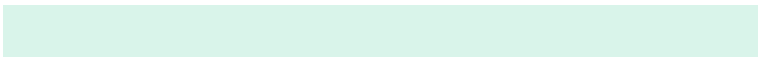
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.6771, 0.3090, 0.3535



92.5583, 0.3083, 0.3582



85.4036, 0.3014, 0.3394



18.5120, 0.3095, 0.3498



35.2626, 0.2966, 0.5878



3.1111, 0.2913, 0.5687

Inverse Universe

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



75.1499, 0.3167, 0.3057



80.3312, 0.3174, 0.3014



74.3984, 0.3256, 0.3189



16.7237, 0.3161, 0.3091



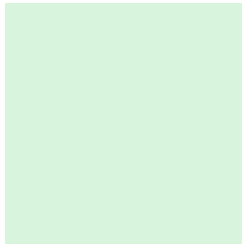
12.9480, 0.3622, 0.1769



1.1492, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 84.6735, 0.3090, 0.3535 looks on a white background.

Color Contrast Check

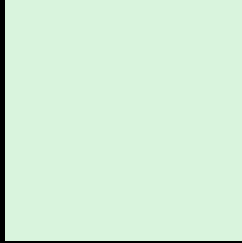
Large Text (above 18pt) WCAG AA × Fail

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 84.6735, 0.3090, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

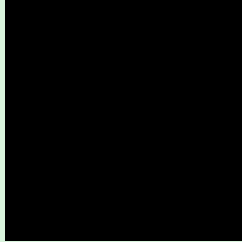
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

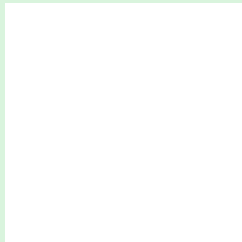
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6735, 0.3090, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 84.6735, 0.3090, 0.3535.

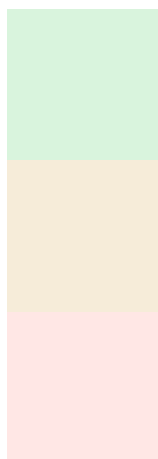


This preview shows how white text looks on a background with the Yxy color 84.6735, 0.3090, 0.3535.

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

84.6735, 0.3090, 0.3535

Protanopia

84.5935, 0.3316, 0.3483

Deuteranopia

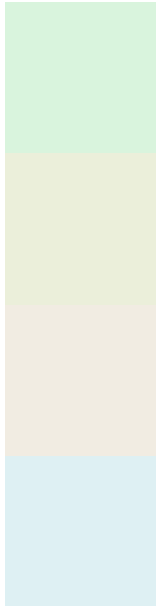
84.0690, 0.3306, 0.3310



Tritanopia

84.3766, 0.2943, 0.3116

Trichromacy



Original Color

84.6735, 0.3090, 0.3535

Protanomaly

84.4571, 0.3231, 0.3508

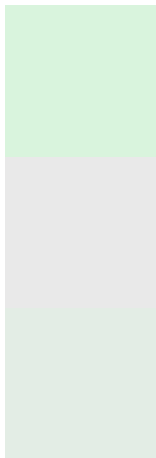
Deuteranomaly

84.1827, 0.3224, 0.3392

Tritanomaly

84.3208, 0.2993, 0.3259

Monochromacy



Original Color

84.6735, 0.3090, 0.3535

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.5564, 0.3110, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6735, 0.3090, 0.3535 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(217, 244, 221)` looks like.

```
.text, #text, p{  
    color:rgb(217, 244, 221)  
}
```

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(217, 244, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 244, 221) }
```

Border

The CSS property to change the border of an element to Yxy 84.6735, 0.3090, 0.3535 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(217, 244, 221) }
```

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

```
.border{ border-color:rgb(217, 244, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 244, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 244, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 244, 221);  
box-shadow:4px 4px 4px 4px rgb(217, 244,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6735, 0.3090, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 244, 221) }
```

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

```
.background{ background-color: rgb(217,  
244, 221) }
```

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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