

Converting Colors

Yxy(84.7615, 0.2999, 0.3334)

Have a look what the booklet for
Yxy(84.7615, 0.2999, 0.3334)
contains.

Yxy(84.5827, 0.2997, 0.3332)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.5827, 0.2997, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	DAF2EE
RGB	218, 242, 238
RGB Percent	85%, 95%, 93%
CMY	0.1454, 0.0509, 0.0667
CMYK	0.10, 0.00, 0.02, 0.05
HSL	170°, 48%, 90%
HSV	170°, 10%, 95%
XYZ	76.0787, 84.5827, 93.1882
YIQ	234.3680, -13.0200, -6.3320

Conversions

Conversions Part 2

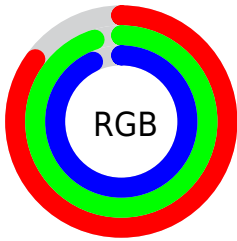
Format	Color
R _Y B	218, 231, 242
Decimal	14349038
CIE Lab	93.70, -8.62, -0.74
CIE LCh	94, 8.647, 184.940
Yxy	84.5827, 0.2997, 0.3332
Android (android.graphics.Color)	4292539118 (0xFFDAF2EE)
YUV	234.3680, 1.7906, -14.3547
Hunter-Lab	91.9689, -13.2862, 4.3021

Details

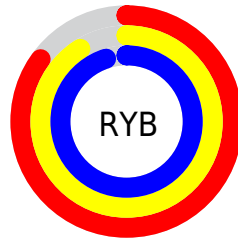
The Yxy color **84.5827, 0.2997, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.2590, 0.3275, 0.3248**, and the grayscale version is **82.5587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.2817, 0.2970, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **80.8888, 0.2872, 0.3378**, and if you desaturate by 10%, it is **88.8339, 0.3128, 0.3290**.

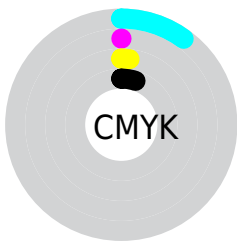
Distribution



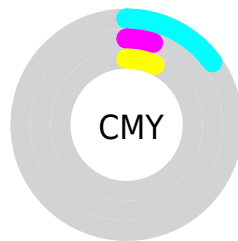
- Red (85%)
- Green (95%)
- Blue (93%)



- Red (85%)
- Yellow (91%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)




- Cyan (15%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5827, 0.2997, 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 84.5827, 0.2997, 0.3332 by changing the saturation by 10% instead.


 84.5827, 0.2997,
0.3332

 84.5827, 0.2997,
0.3332

510.2462, 0.3056,
0.3313

 63.4966, 0.2984,
0.3336

139.7900, 0.3017,
0.3326

 46.2431, 0.2968,
0.3341


174.6800, 0.3025,
0.3323

 32.4377, 0.2948,
0.3347


214.9401, 0.3032,
0.3321

 21.6960, 0.2923,
0.3355

260.9548, 0.3038,
0.3319

 13.6337, 0.2889,
0.3366

313.1083, 0.3043,
0.3317

 7.8664, 0.2841,
0.3381

371.7851, 0.3048,

 4.0096, 0.2770,

0.3316

0.3403

437.3696, 0.3052,
0.3315

■ 1.6789, 0.2652,
0.3439

■ 0.4099, 0.1649,
0.3769

■ 84.5827, 0.2997,
0.3332

■ 84.5827, 0.2997,
0.3332

■ 80.8888, 0.2872,
0.3378

■ 88.8339, 0.3128,
0.3290

■ 77.7179, 0.2757,
0.3429

■ 91.4409, 0.3187,
0.3251

■ 75.0483, 0.2654,
0.3482

■ 91.6934, 0.3162,
0.3212

■ 72.8527, 0.2565,
0.3539

■ 91.9514, 0.3138,
0.3173

71.1010, 0.2494,
0.3598

92.0004, 0.3133,
0.3166

69.7598, 0.2442,
0.3658

68.7908, 0.2410,
0.3719

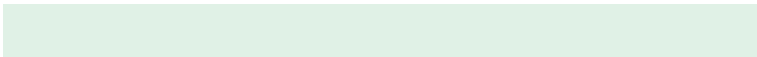
68.1485, 0.2397,
0.3780

67.7569, 0.2400,
0.3840

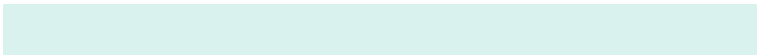
Harmonies

Analogous

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



84.5827, 0.3085, 0.3412



84.5827, 0.2997, 0.3332



84.5827, 0.2944, 0.3242

Triad

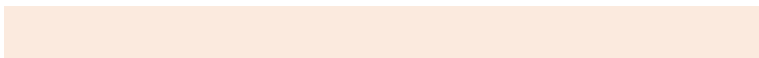
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.5827, 0.2997, 0.3332



84.5827, 0.3068, 0.3128



84.5827, 0.3318, 0.3411

Complementary

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



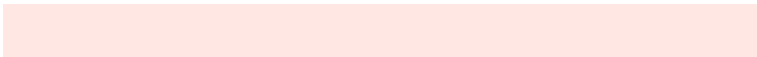
84.5827, 0.2997, 0.3332



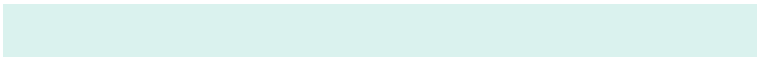
74.2590, 0.3275, 0.3248

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.



84.5827, 0.3314, 0.3334



84.5827, 0.2997, 0.3332



84.5827, 0.3168, 0.3173

Square

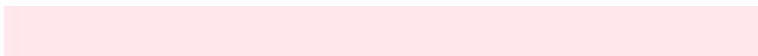
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



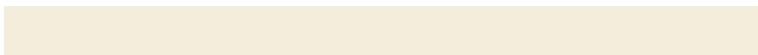
84.5827, 0.2997, 0.3332



84.5827, 0.2985, 0.3126



84.5827, 0.3258, 0.3247



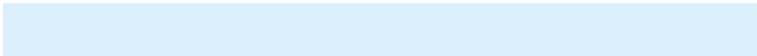
84.5827, 0.3270, 0.3457

Rectangle

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



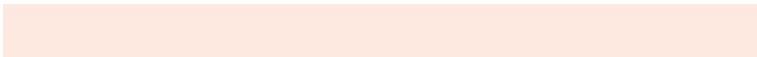
84.5827, 0.2997, 0.3332



84.5827, 0.2936, 0.3188



84.5827, 0.3258, 0.3247



84.5827, 0.3322, 0.3388

Sweetspot

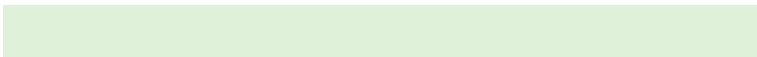
The Sweet Spot groups the original color and five complimentary colors.



84.5863, 0.2997, 0.3332



98.4954, 0.3087, 0.3302



84.1625, 0.3144, 0.3545



20.9981, 0.3077, 0.3306



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.



84.5863, 0.2997, 0.3332



94.3247, 0.2971, 0.3341



80.3773, 0.2973, 0.3209



17.8807, 0.3003, 0.3330



36.4072, 0.2397, 0.3830



3.0407, 0.2375, 0.3751

Inverse Universe

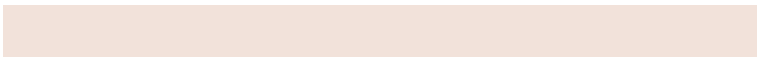
The Inverse Universe completely reimagines the original color for something new.



74.2590, 0.3275, 0.3248



80.4739, 0.3310, 0.3239



78.0928, 0.3294, 0.3369



15.8021, 0.3267, 0.3251



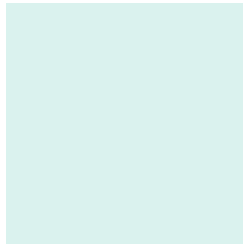
10.2391, 0.6153, 0.3163



0.8643, 0.5819, 0.2979

Previews

White Background



This preview shows how the Yxy color 84.5827, 0.2997, 0.3332 looks on a white background.

Color Contrast Check

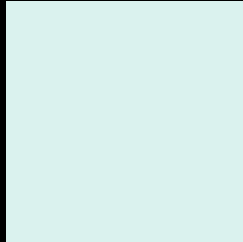
Large Text (above 18pt) WCAG AA × Fail

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 84.5827, 0.2997, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

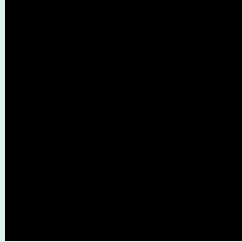
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

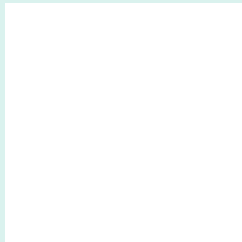
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.5827, 0.2997, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 84.5827, 0.2997, 0.3332.

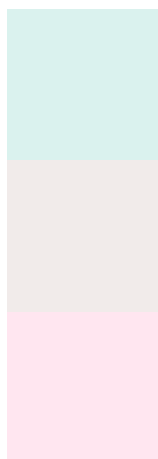


This preview shows how white text looks on a background with the Yxy color 84.5827, 0.2997, 0.3332.

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

84.5827, 0.2997, 0.3332

Protanopia

84.0579, 0.3174, 0.3300

Deuteranopia

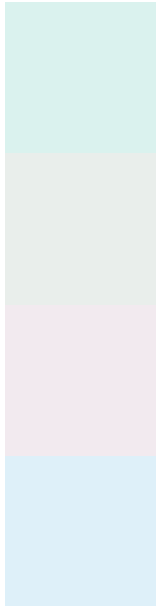
84.1449, 0.3235, 0.3192



Tritanopia

84.8003, 0.2937, 0.3126

Trichromacy



Original Color

84.5827, 0.2997, 0.3332

Protanomaly

84.4709, 0.3113, 0.3321

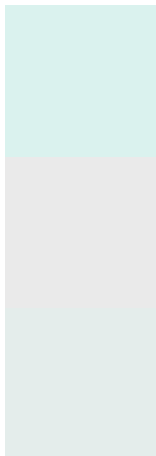
Deuteranomaly

83.9549, 0.3150, 0.3240

Tritanomaly

84.6893, 0.2959, 0.3197

Monochromacy



Original Color

84.5827, 0.2997, 0.3332

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.0605, 0.3080, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5827, 0.2997, 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(218, 242, 238)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 242, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 242, 238) }
```

Border

The CSS property to change the border of an element to Yxy 84.5827, 0.2997, 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(218, 242, 238) }
```

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

```
.border{ border-color:rgb(218, 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(218, 242, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 242, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 242, 238);  
box-shadow:4px 4px 4px 4px rgb(218, 242,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5827, 0.2997, 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(218, 242, 238) }
```

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

```
.background{ background-color: rgb(218,  
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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