

Converting Colors

Yxy(84.4115, 0.3068, 0.3401)

Have a look what the booklet for
Yxy(84.4115, 0.3068, 0.3401)
contains.

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Color

Yxy(84.2097, 0.3064, 0.3395)

Conversions

Conversions Part 1

Format	Color
Hex	DEF1E7
RGB	222, 241, 231
RGB Percent	87%, 95%, 91%
CMY	0.1294, 0.0549, 0.0942
CMYK	0.08, 0.00, 0.04, 0.05
HSL	148°, 40%, 91%
HSV	148°, 8%, 95%
XYZ	75.9996, 84.2097, 87.8311
YIQ	234.1790, -8.1140, -7.1380

Conversions

Conversions Part 2

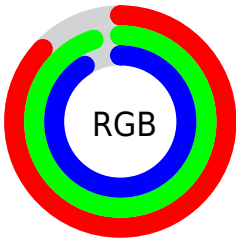
Format	Color
R _Y B	222, 235, 241
Decimal	14610919
CIE Lab	93.54, -8.08, 2.69
CIE LCh	94, 8.515, 161.602
Yxy	84.2097, 0.3064, 0.3395
Android (android.graphics.Color)	4292800999 (0xFFDEF1E7)
YUV	234.1790, -1.5672, -10.6810
Hunter-Lab	91.7658, -12.7583, 7.4883

Details

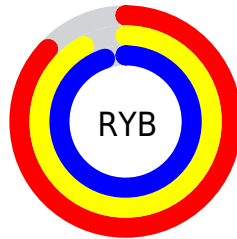
The Yxy color **84.2097, 0.3064, 0.3395** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **76.7716, 0.3195, 0.3187**, and the grayscale version is **82.4395, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.0086, 0.3054, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **79.9831, 0.2986, 0.3542**, and if you desaturate by 10%, it is **89.0396, 0.3144, 0.3264**.

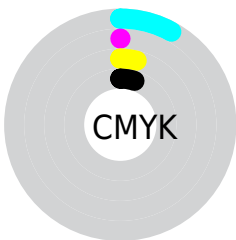
Distribution



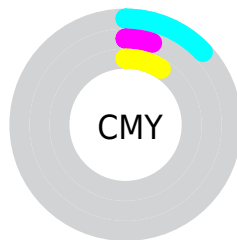
- Red (87%)
- Green (95%)
- Blue (91%)



- Red (87%)
- Yellow (92%)
- Blue (95%)



- Cyan (8%)
- Magenta (0%)
- Yellow (4%)
- Black (5%)




- Cyan (13%)
- Magenta (5%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2097, 0.3064, 0.3395 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 84.2097, 0.3064, 0.3395 by changing the saturation by 10% instead.

 84.2097, 0.3064,
0.3395

 84.2097, 0.3064,
0.3395


509.0093, 0.3093,
0.3347

 63.1886, 0.3058,
0.3406

139.2685, 0.3074,
0.3379

 45.9938, 0.3050,
0.3419


174.0749, 0.3078,
0.3372

 32.2409, 0.3040,
0.3435


214.2453, 0.3081,
0.3367

 21.5456, 0.3027,
0.3457

260.1639, 0.3084,
0.3362

 13.5234, 0.3010,
0.3486

312.2153, 0.3087,
0.3358

 7.7899, 0.2985,
0.3526

370.7837, 0.3089,

 3.9608, 0.2948,

0.3354

0.3589

436.2536, 0.3091,
0.3350

■ 1.6517, 0.2885,
0.3695

■ 0.3921, 0.2175,
0.4862

■ 84.2097, 0.3064,
0.3395

■ 84.2097, 0.3064,
0.3395

■ 79.9831, 0.2986,
0.3542

■ 89.0396, 0.3144,
0.3264

■ 76.3250, 0.2911,
0.3706

■ 91.3958, 0.3133,
0.3156

■ 73.2133, 0.2843,
0.3885

■ 70.6202, 0.2786,
0.4078

■ 68.5154, 0.2742,
0.4281

■ 66.8654, 0.2715,
0.4489

■ 65.6321, 0.2707,
0.4698

■ 64.7709, 0.2720,
0.4900

■ 64.2216, 0.2751,
0.5090

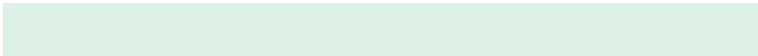
Harmonies

Analogous

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



84.2097, 0.3162, 0.3449



84.2097, 0.3064, 0.3395



84.2097, 0.2984, 0.3312

Triad

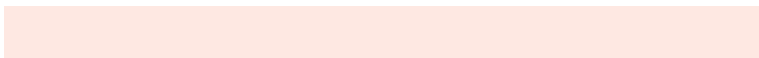
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.2097, 0.3064, 0.3395



84.2097, 0.3002, 0.3125



84.2097, 0.3317, 0.3352

Complementary

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



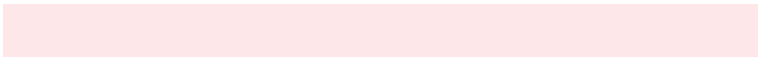
84.2097, 0.3064, 0.3395



76.7716, 0.3195, 0.3187

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.



84.2097, 0.3272, 0.3267



84.2097, 0.3064, 0.3395



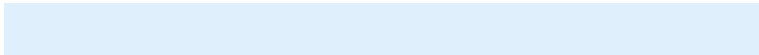
84.2097, 0.3090, 0.3137

Square

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



84.2097, 0.3064, 0.3395



84.2097, 0.2948, 0.3156



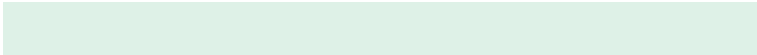
84.2097, 0.3189, 0.3189



84.2097, 0.3309, 0.3423

Rectangle

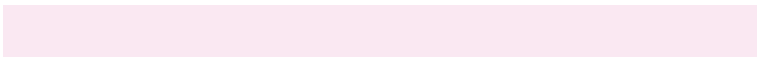
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



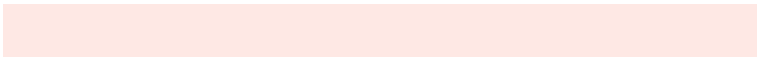
84.2097, 0.3064, 0.3395



84.2097, 0.2951, 0.3252



84.2097, 0.3189, 0.3189



84.2097, 0.3307, 0.3324

Sweetspot

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



84.2133, 0.3064, 0.3395



98.8734, 0.3111, 0.3316



85.3684, 0.3185, 0.3487



21.1748, 0.3112, 0.3315



0.0000, 0.0000, 0.0000



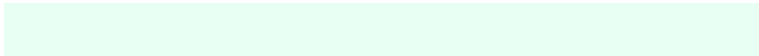
21.4041, 0.3127, 0.3290

Same Dimension

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



84.2133, 0.3064, 0.3395



95.1485, 0.3055, 0.3411



84.7587, 0.3009, 0.3296



17.7807, 0.3051, 0.3417



34.7984, 0.2750, 0.5099



2.9149, 0.2681, 0.4850

Inverse Universe

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



76.7716, 0.3195, 0.3187



85.5428, 0.3206, 0.3172



76.2516, 0.3259, 0.3284



15.8983, 0.3210, 0.3166



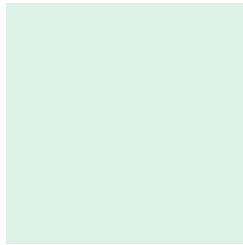
11.0020, 0.4841, 0.2440



0.9354, 0.4567, 0.2290

Previews

White Background



This preview shows how the Yxy color 84.2097, 0.3064, 0.3395 looks on a white background.

Color Contrast Check

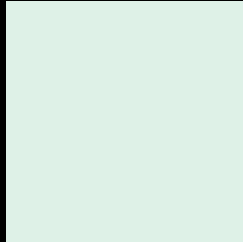
Large Text (above 18pt) WCAG AA × Fail

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 84.2097, 0.3064, 0.3395 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

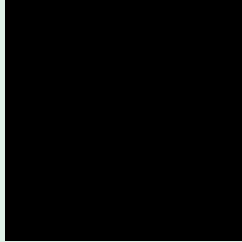
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

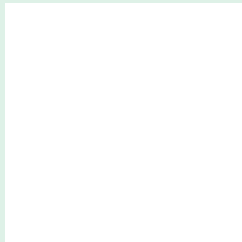
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2097, 0.3064, 0.3395

Background



This preview shows how black text looks on a background with the Yxy color 84.2097, 0.3064, 0.3395.

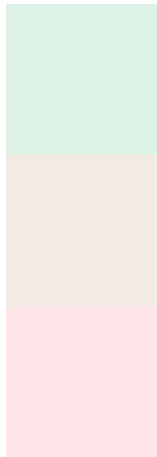


This preview shows how white text looks on a background with the Yxy color 84.2097, 0.3064, 0.3395.

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

84.2097, 0.3064, 0.3395

Protanopia

83.8953, 0.3219, 0.3361

Deuteranopia

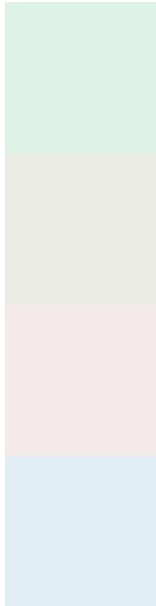
83.7941, 0.3274, 0.3251



Tritanopia

84.1193, 0.2955, 0.3107

Trichromacy



Original Color

84.2097, 0.3064, 0.3395

Protanomaly

83.8877, 0.3163, 0.3372

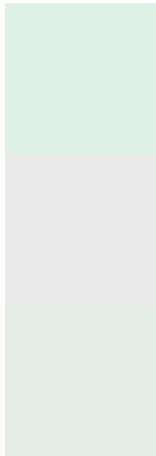
Deuteranomaly

83.7835, 0.3194, 0.3300

Tritanomaly

83.8104, 0.2995, 0.3207

Monochromacy



Original Color

84.2097, 0.3064, 0.3395

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

83.2746, 0.3105, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2097, 0.3064, 0.3395 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(222, 241, 231)` looks like.

```
.text, #text, p{  
    color:rgb(222, 241, 231)  
}
```

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(222, 241, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 241, 231) }
```

Border

The CSS property to change the border of an element to Yxy 84.2097, 0.3064, 0.3395 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(222, 241, 231) }
```

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

```
.border{ border-color:rgb(222, 241, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 241, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 241, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 241, 231);  
box-shadow:4px 4px 4px 4px rgb(222, 241,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2097, 0.3064, 0.3395 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 241, 231) }
```

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

```
.background{ background-color: rgb(222,  
241, 231) }
```

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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