

Converting Colors

$Y_{xy}(87.2327, 0.2992, 0.3400)$

Have a look what the booklet for
Yxy(87.2327, 0.2992, 0.3400)
contains.

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Color

Yxy(87.2349, 0.2991, 0.3394)

Conversions

Conversions Part 1

Format	Color
Hex	D8F7ED
RGB	216, 247, 237
RGB Percent	85%, 97%, 93%
CMY	0.1528, 0.0314, 0.0705
CMYK	0.13, 0.00, 0.04, 0.03
HSL	161°, 66%, 91%
HSV	161°, 13%, 97%
XYZ	76.8767, 87.2349, 92.9152
YIQ	236.5910, -15.2660, -9.6820

Conversions

Conversions Part 2

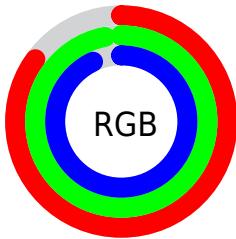
Format	Color
R _Y B	216, 234, 247
Decimal	14219245
CIE Lab	94.84, -11.89, 1.40
CIE LCh	95, 11.971, 173.296
Yxy	87.2349, 0.2991, 0.3394
Android (android.graphics.Color)	4292409325 (0xFFD8F7ED)
YUV	236.5910, 0.2016, -18.0583
Hunter-Lab	93.3996, -16.5270, 6.3973

Details

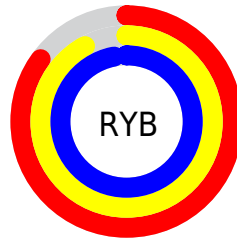
The Yxy color **87.2349, 0.2991, 0.3394** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **74.4009, 0.3285, 0.3188**, and the grayscale version is **84.3729, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1749, 0.2962, 0.3425** is the 20% darker color. If you saturate the color by 10%, you get **83.2986, 0.2888, 0.3487**, and if you desaturate by 10%, it is **91.7647, 0.3099, 0.3310**.

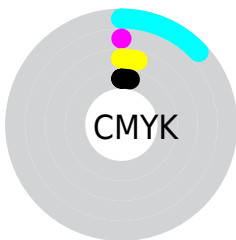
Distribution



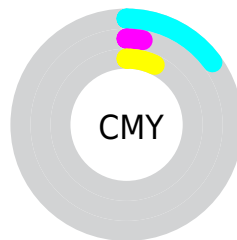
- Red (85%)
- Green (97%)
- Blue (93%)



- Red (85%)
- Yellow (92%)
- Blue (97%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (3%)





- Cyan (15%)
- Magenta (3%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.2349, 0.2991, 0.3394 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 87.2349, 0.2991, 0.3394 by changing the saturation by 10% instead.


 87.2349, 0.2991,
0.3394

 87.2349, 0.2991,
0.3394


518.9944, 0.3052,
0.3347

 65.6896, 0.2977,
0.3404


143.4915, 0.3012,
0.3378

 48.0205, 0.2961,
0.3417


178.9716, 0.3020,
0.3372

 33.8431, 0.2940,
0.3433


219.8655, 0.3027,
0.3366

 22.7731, 0.2914,
0.3454

266.5574, 0.3033,
0.3362

 14.4261, 0.2879,
0.3481

319.4319, 0.3039,
0.3357

 8.4176, 0.2829,
0.3519

378.8733, 0.3044,

 4.3633, 0.2756,

0.3354

0.3577

445.2660, 0.3048,
0.3350

■ 1.8788, 0.2635,
0.3673

■ 0.5356, 0.1765,
0.4320

■ 87.2349, 0.2991,
0.3394

■ 87.2349, 0.2991,
0.3394

■ 83.2986, 0.2888,
0.3487

■ 91.7647, 0.3099,
0.3310

■ 79.9194, 0.2792,
0.3588

■ 94.8657, 0.3143,
0.3233


■ 77.0736, 0.2707,
0.3698


■ 94.9974, 0.3131,
0.3214


■ 74.7316, 0.2637,
0.3814

 72.8608, 0.2583,
0.3935

 71.4246, 0.2548,
0.4059

 70.3808, 0.2534,
0.4184

 69.6786, 0.2540,
0.4308

 69.3199, 0.2555,
0.4399

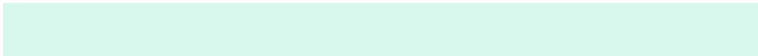
Harmonies

Analogous

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



87.2349, 0.3121, 0.3490



87.2349, 0.2991, 0.3394



87.2349, 0.2898, 0.3270

Triad

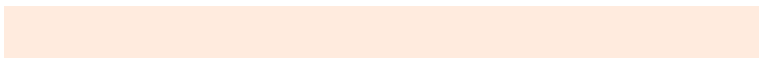
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2349, 0.2991, 0.3394



87.2349, 0.2997, 0.3061



87.2349, 0.3396, 0.3417

Complementary

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



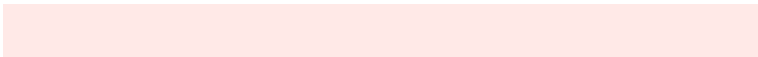
87.2349, 0.2991, 0.3394



74.4009, 0.3285, 0.3188

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.



87.2349, 0.3361, 0.3303



87.2349, 0.2991, 0.3394



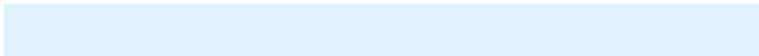
87.2349, 0.3129, 0.3101

Square

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



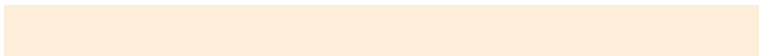
87.2349, 0.2991, 0.3394



87.2349, 0.2902, 0.3080



87.2349, 0.3263, 0.3189



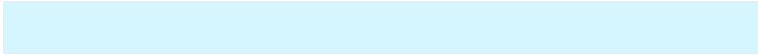
87.2349, 0.3356, 0.3500

Rectangle

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



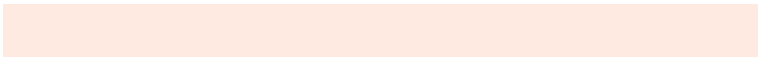
87.2349, 0.2991, 0.3394



87.2349, 0.2869, 0.3190



87.2349, 0.3263, 0.3189



87.2349, 0.3392, 0.3381

Sweetspot

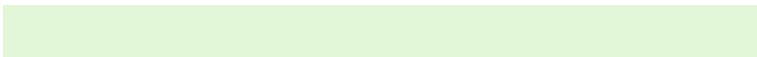
The Sweet Spot groups the original color and five complimentary colors.



87.2386, 0.2991, 0.3394



97.9064, 0.3083, 0.3322



87.7050, 0.3178, 0.3614



20.8743, 0.3075, 0.3328



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

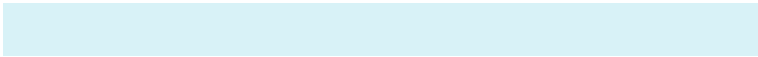
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2386, 0.2991, 0.3394



92.6842, 0.2965, 0.3416



84.7273, 0.2934, 0.3236



18.6616, 0.3024, 0.3367



36.6904, 0.2550, 0.4379



3.2435, 0.2507, 0.4225

Inverse Universe

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



74.4009, 0.3285, 0.3188



76.4189, 0.3322, 0.3167



76.5540, 0.3349, 0.3344



16.5706, 0.3243, 0.3214



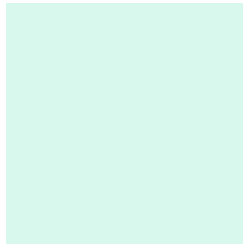
10.7845, 0.5682, 0.2904



0.9659, 0.5330, 0.2710

Previews

White Background



This preview shows how the Yxy color 87.2349, 0.2991, 0.3394 looks on a white background.

Color Contrast Check

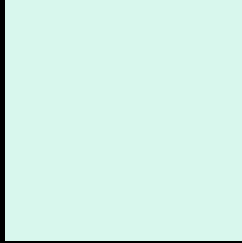
Large Text (above 18pt) WCAG AA × Fail

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 87.2349, 0.2991, 0.3394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

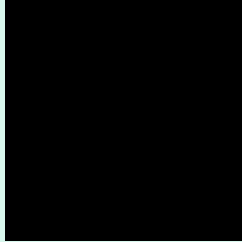
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

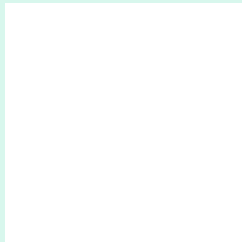
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.2349, 0.2991, 0.3394

Background



This preview shows how black text looks on a background with the Yxy color 87.2349, 0.2991, 0.3394.

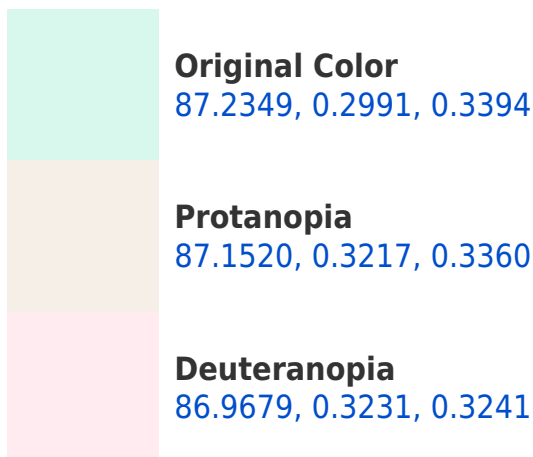


This preview shows how white text looks on a background with the Yxy color 87.2349, 0.2991, 0.3394.

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

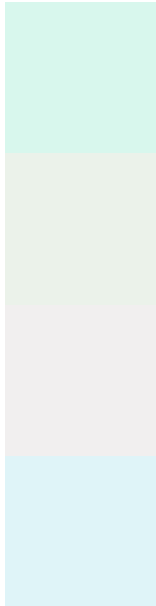




Tritanopia

87.0552, 0.2956, 0.3158

Trichromacy



Original Color

87.2349, 0.2991, 0.3394

Protanomaly

87.1069, 0.3130, 0.3371

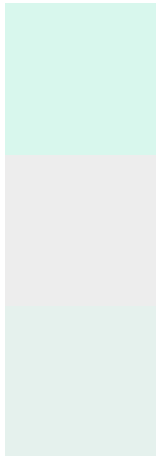
Deuteranomaly

86.6658, 0.3140, 0.3290

Tritanomaly

87.1667, 0.2971, 0.3249

Monochromacy



Original Color

87.2349, 0.2991, 0.3394

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.6830, 0.3073, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2349, 0.2991, 0.3394 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(216, 247, 237)` looks like.

```
.text, #text, p{  
    color:rgb(216, 247, 237)  
}
```

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(216, 247, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 247, 237) }
```

Border

The CSS property to change the border of an element to Yxy 87.2349, 0.2991, 0.3394 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(216, 247, 237) }
```

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

```
.border{ border-color:rgb(216, 247, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 247, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 247, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 247, 237);  
box-shadow:4px 4px 4px 4px rgb(216, 247,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2349, 0.2991, 0.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 247, 237) }
```

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

```
.background{ background-color: rgb(216,  
247, 237) }
```

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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