

Converting Colors

$Yxy(86.8111, 0.2871, 0.3242)$

Have a look what the booklet for
Yxy(86.8111, 0.2871, 0.3242)
contains.

Yxy(87.0419, 0.2872, 0.3248)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(87.0419, 0.2872, 0.3248)

Conversions

Conversions Part 1

Format	Color
Hex	D1F7FB
RGB	209, 247, 251
RGB Percent	82%, 97%, 98%
CMY	0.1803, 0.0313, 0.0158
CMYK	0.17, 0.02, 0.00, 0.02
HSL	186°, 84%, 90%
HSV	186°, 17%, 98%
XYZ	76.9656, 87.0419, 103.9786
YIQ	236.0940, -23.9320, -6.8120

Conversions

Conversions Part 2

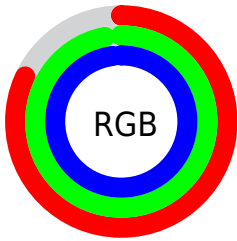
Format	Color
R _Y B	209, 229, 251
Decimal	13760507
CIE Lab	94.76, -11.36, -5.99
CIE LCh	95, 12.841, 207.817
Yxy	87.0419, 0.2872, 0.3248
Android (android.graphics.Color)	4291950587 (0xFFD1F7FB)
YUV	236.0940, 7.3487, -23.7614
Hunter-Lab	93.2962, -16.0132, -0.7713

Details

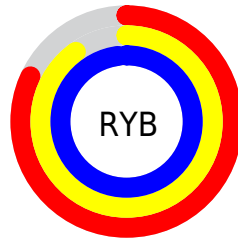
The Yxy color **87.0419, 0.2872, 0.3248** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **72.6808, 0.3441, 0.3332**, and the grayscale version is **83.9154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.0718, 0.2814, 0.3235** is the 20% darker color. If you saturate the color by 10%, you get **82.2297, 0.2729, 0.3220**, and if you desaturate by 10%, it is **92.4563, 0.3023, 0.3274**.

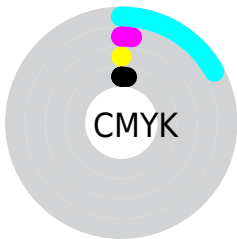
Distribution



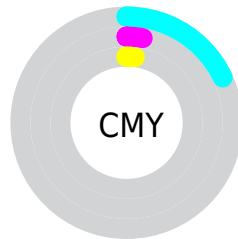
- Red (82%)
- Green (97%)
- Blue (98%)



- Red (82%)
- Yellow (90%)
- Blue (98%)



- Cyan (17%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (18%)
- Magenta (3%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0419, 0.2872, 0.3248 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 87.0419, 0.2872, 0.3248 by changing the saturation by 10% instead.


 87.0419, 0.2872,
0.3248

 87.0419, 0.2872,
0.3248

518.3605, 0.2986,
0.3268

 65.5299, 0.2847,
0.3243


143.2225, 0.2911,
0.3255

 47.8909, 0.2817,
0.3237


178.6600, 0.2926,
0.3258

 33.7405, 0.2779,
0.3230


219.5079, 0.2939,
0.3260

 22.6943, 0.2731,
0.3220

266.1509, 0.2951,
0.3262

 14.3679, 0.2668,
0.3206

318.9733, 0.2961,
0.3264

 8.3770, 0.2581,
0.3187

378.3594, 0.2970,

 4.3371, 0.2454,

0.3265

444.6937, 0.2978,
0.3267

0.3155

1.8639, 0.2251,
0.3098

0.5265, 0.1281,
0.3022

87.0419, 0.2872,
0.3248

87.0419, 0.2872,
0.3248

82.2297, 0.2729,
0.3220

92.4563, 0.3023,
0.3274

77.9818, 0.2598,
0.3190

97.6804, 0.3152,
0.3298

74.2729, 0.2481,
0.3159

99.1743, 0.3151,
0.3320

71.0709, 0.2381,
0.3127

99.7427, 0.3150,
0.3329

■ 68.3407, 0.2299,
0.3094

■ 66.0423, 0.2237,
0.3061

■ 64.1288, 0.2194,
0.3028

■ 62.5412, 0.2169,
0.2996

■ 62.0609, 0.2163,
0.2986

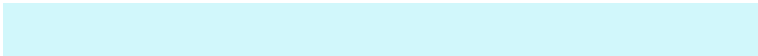
Harmonies

Analogous

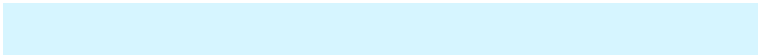
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0419, 0.2963, 0.3383



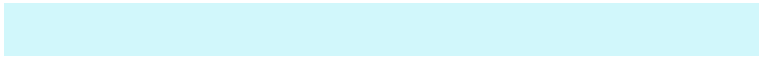
87.0419, 0.2872, 0.3248



87.0419, 0.2848, 0.3129

Triad

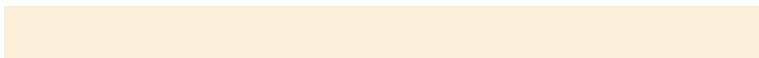
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.0419, 0.2872, 0.3248



87.0419, 0.3151, 0.3099



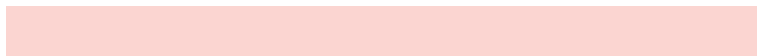
87.0419, 0.3360, 0.3525

Complementary

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



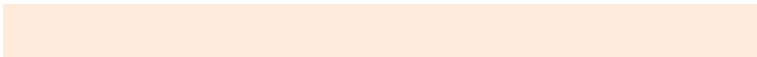
87.0419, 0.2872, 0.3248



72.6808, 0.3441, 0.3332

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.



87.0419, 0.3414, 0.3442



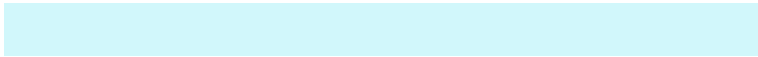
87.0419, 0.2872, 0.3248



87.0419, 0.3292, 0.3199

Square

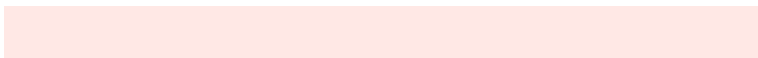
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0419, 0.2872, 0.3248



87.0419, 0.3007, 0.3047



87.0419, 0.3389, 0.3323



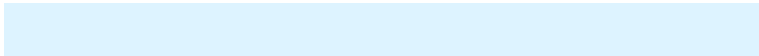
87.0419, 0.3244, 0.3545

Rectangle

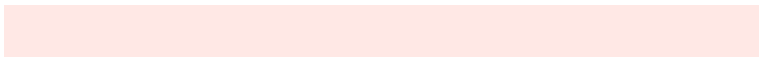
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



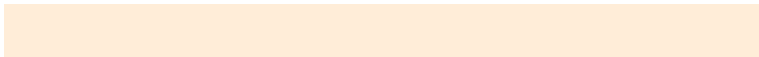
87.0419, 0.2872, 0.3248



87.0419, 0.2873, 0.3075



87.0419, 0.3389, 0.3323



87.0419, 0.3387, 0.3503

Sweetspot

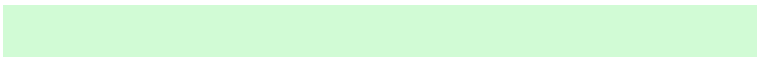
The Sweet Spot groups the original color and five complimentary colors.



87.0455, 0.2872, 0.3248



96.8966, 0.3049, 0.3278



87.3078, 0.3086, 0.3704



20.6493, 0.3038, 0.3276



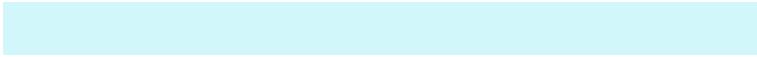
0.0000, 0.0000, 0.0000



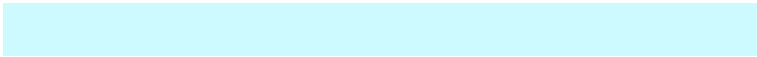
21.4041, 0.3127, 0.3290

Same Dimension

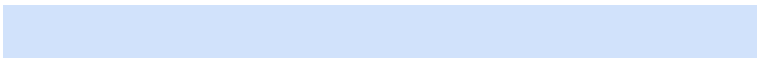
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0455, 0.2872, 0.3248



88.5466, 0.2824, 0.3239



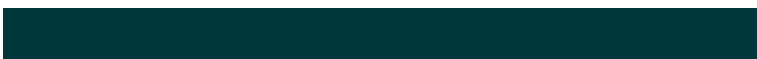
75.1816, 0.2862, 0.3029



19.3122, 0.2980, 0.3267



32.7500, 0.2164, 0.2991



3.1123, 0.2175, 0.3030

Inverse Universe

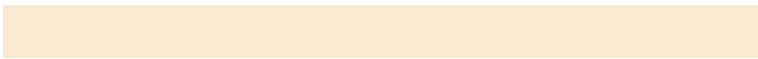
The Inverse Universe completely reimagines the original color for something new.



72.8265, 0.3174, 0.2912



71.3598, 0.3184, 0.2836



83.6590, 0.3407, 0.3538



17.4947, 0.3152, 0.3078



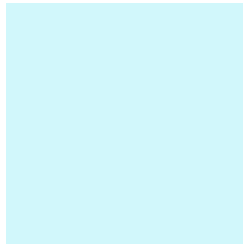
13.7170, 0.3462, 0.1681



1.2784, 0.3428, 0.1662

Previews

White Background



This preview shows how the Yxy color 87.0419, 0.2872, 0.3248 looks on a white background.

Color Contrast Check

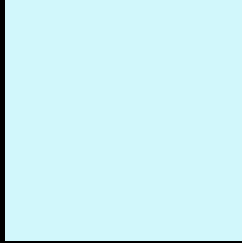
Large Text (above 18pt) WCAG AA × Fail

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 87.0419, 0.2872, 0.3248 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

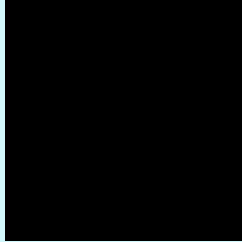
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0419, 0.2872, 0.3248

Background



This preview shows how black text looks on a background with the Yxy color 87.0419, 0.2872, 0.3248.

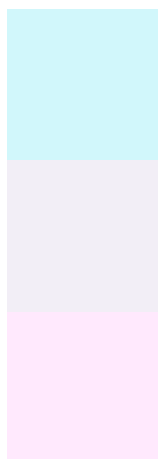


This preview shows how white text looks on a background with the Yxy color 87.0419, 0.2872, 0.3248.

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

87.0419, 0.2872, 0.3248

Protanopia

86.6801, 0.3105, 0.3210

Deuteranopia

86.6297, 0.3150, 0.3097



Tritanopia

87.0092, 0.2932, 0.3167

Trichromacy



Original Color

87.0419, 0.2872, 0.3248

Protanomaly

86.5109, 0.3015, 0.3219

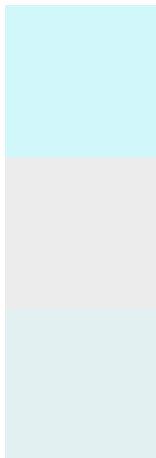
Deuteranomaly

86.3545, 0.3043, 0.3150

Tritanomaly

86.7626, 0.2907, 0.3187

Monochromacy



Original Color

87.0419, 0.2872, 0.3248

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.8398, 0.3031, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0419, 0.2872, 0.3248 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(209, 247, 251)` looks like.

```
.text, #text, p{  
    color:rgb(209, 247, 251)  
}
```

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(209, 247, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 247, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.0419, 0.2872, 0.3248 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(209, 247, 251) }
```

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

```
.border{ border-color:rgb(209, 247, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 247, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 247, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 247, 251);  
box-shadow:4px 4px 4px 4px rgb(209, 247,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0419, 0.2872, 0.3248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 247, 251) }
```

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

```
.background{ background-color: rgb(209,  
247, 251) }
```

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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