

Converting Colors

$Yxy(86.4245, 0.2871, 0.3506)$

Have a look what the booklet for
Yxy(86.4245, 0.2871, 0.3506)
contains.

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Color

Yxy(86.5234, 0.2872, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	BFFCE8
RGB	191, 252, 232
RGB Percent	75%, 99%, 91%
CMY	0.2512, 0.0117, 0.0901
CMYK	0.24, 0.00, 0.08, 0.01
HSL	160°, 91%, 87%
HSV	160°, 24%, 99%
XYZ	70.8569, 86.5234, 89.3360
YIQ	231.4810, -29.9360, -19.1520

Conversions

Conversions Part 2

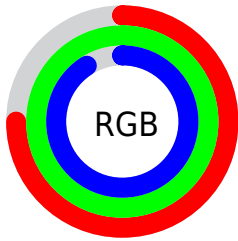
Format	Color
RYB	191, 227, 252
Decimal	12582120
CIELab	94.54, -23.08, 3.34
CIElCh	95, 23.320, 171.754
Yxy	86.5234, 0.2872, 0.3507
Android (android.graphics.Color)	4290772200 (0xFFBFFCE8)
YUV	231.4810, 0.2559, -35.5018
Hunter-Lab	93.0180, -26.8081, 8.1695

Details

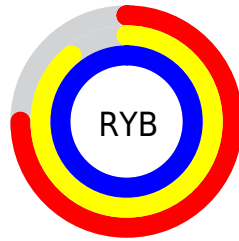
The Yxy color **86.5234, 0.2872, 0.3507** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **62.6393, 0.3472, 0.3084**, and the grayscale version is **80.3002, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6965, 0.3084, 0.3290**, and **47.3990, 0.2817, 0.3560** is the 20% darker color. If you saturate the color by 10%, you get **83.0791, 0.2778, 0.3612**, and if you desaturate by 10%, it is **90.5589, 0.2974, 0.3411**.

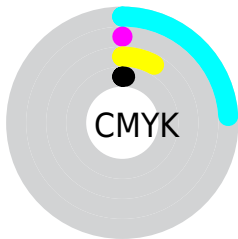
Distribution



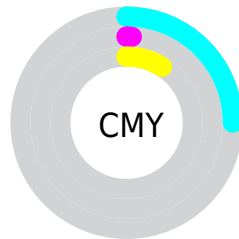
- Red (75%)
- Green (99%)
- Blue (91%)



- Red (75%)
- Yellow (89%)
- Blue (99%)



- Cyan (24%)
- Magenta (0%)
- Yellow (8%)
- Black (1%)




- Cyan (25%)
- Magenta (1%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.5234, 0.2872, 0.3507 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 86.5234, 0.2872, 0.3507 by changing the saturation by 10% instead.


 86.5234, 0.2872,
0.3507

 86.5234, 0.2872,
0.3507


516.6555, 0.2987,
0.3408

 65.1009, 0.2846,
0.3529


 142.4997, 0.2911,
0.3473

 47.5429, 0.2815,
0.3556


177.8222, 0.2927,
0.3460

 33.4650, 0.2776,
0.3590


218.5468, 0.2940,
0.3448

 22.4829, 0.2726,
0.3634

265.0579, 0.2952,
0.3438

 14.2122, 0.2659,
0.3694

317.7400, 0.2962,
0.3430

 8.2684, 0.2566,
0.3777

376.9773, 0.2971,

 4.2672, 0.2426,

0.3422

0.3904

443.1544, 0.2980,
0.3415

■ 1.8241, 0.2196,
0.4120

■ 0.5021, 0.0000,
0.6161

■ 86.5234, 0.2872,
0.3507

■ 86.5234, 0.2872,
0.3507

■ 83.0791, 0.2778,
0.3612

■ 90.5589, 0.2974,
0.3411

■ 80.1862, 0.2696,
0.3724

■ 95.2019, 0.3081,
0.3324

■ 77.8167, 0.2629,
0.3843

■ 98.1081, 0.3128,
0.3262

■ 75.9356, 0.2579,
0.3967

■ 74.5036, 0.2548,
0.4094

■ 73.4752, 0.2538,
0.4221

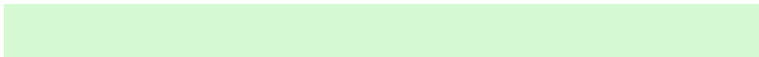
■ 72.7946, 0.2548,
0.4346

■ 72.5140, 0.2561,
0.4418

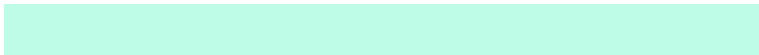
Harmonies

Analogous

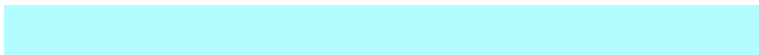
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.5234, 0.3124, 0.3697



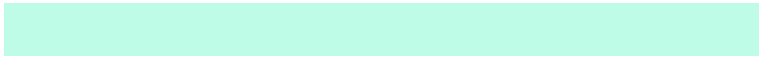
86.5234, 0.2872, 0.3507



86.5234, 0.2692, 0.3257

Triad

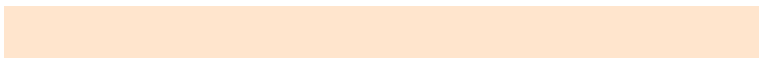
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.5234, 0.2872, 0.3507



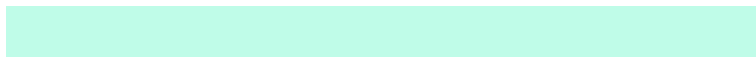
86.5234, 0.2860, 0.2851



86.5234, 0.3656, 0.3517

Complementary

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



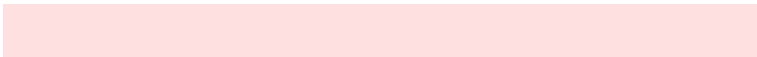
86.5234, 0.2872, 0.3507



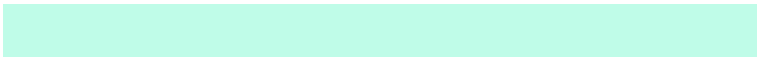
62.6393, 0.3472, 0.3084

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.



86.5234, 0.3580, 0.3297



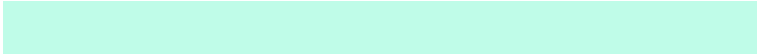
86.5234, 0.2872, 0.3507



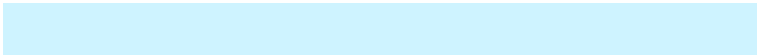
86.5234, 0.3112, 0.2924

Square

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



86.5234, 0.2872, 0.3507



86.5234, 0.2686, 0.2886



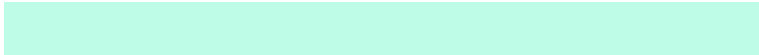
86.5234, 0.3378, 0.3084



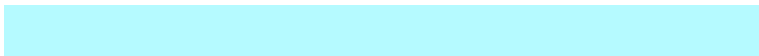
86.5234, 0.3582, 0.3690

Rectangle

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



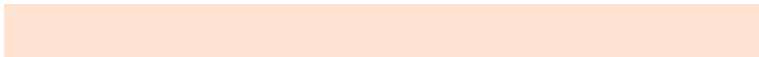
86.5234, 0.2872, 0.3507



86.5234, 0.2634, 0.3098



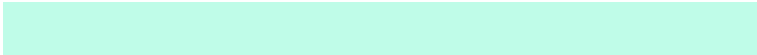
86.5234, 0.3378, 0.3084



86.5234, 0.3647, 0.3446

Sweetspot

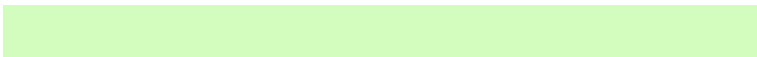
The Sweet Spot groups the original color and five complimentary colors.



86.5270, 0.2872, 0.3507



96.3999, 0.3051, 0.3347



87.2821, 0.3223, 0.3953



20.5703, 0.3044, 0.3352



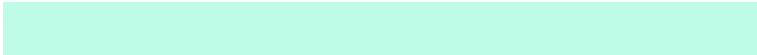
0.0000, 0.0000, 0.0000



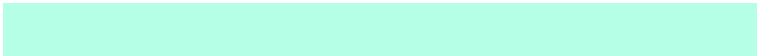
21.4041, 0.3127, 0.3290

Same Dimension

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



86.5270, 0.2872, 0.3507



87.1084, 0.2826, 0.3556



81.5060, 0.2760, 0.3179



19.5063, 0.3024, 0.3369



37.7977, 0.2555, 0.4397



3.5202, 0.2513, 0.4248

Inverse Universe

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



62.6393, 0.3472, 0.3084



58.7476, 0.3562, 0.3041



66.2918, 0.3612, 0.3398



17.3188, 0.3242, 0.3213



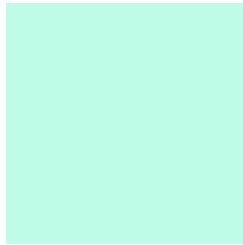
11.1254, 0.5668, 0.2896



1.0490, 0.5333, 0.2711

Previews

White Background



This preview shows how the Yxy color 86.5234, 0.2872, 0.3507 looks on a white background.

Color Contrast Check

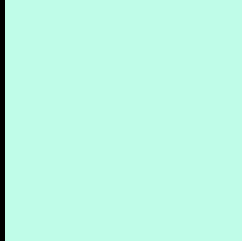
Large Text (above 18pt) WCAG AA × Fail

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 86.5234, 0.2872, 0.3507 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 86.5234, 0.2872, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 86.5234, 0.2872, 0.3507.

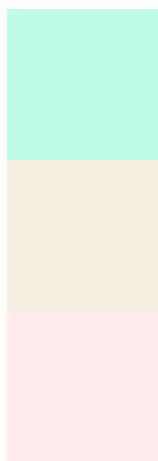


This preview shows how white text looks on a background with the Yxy color 86.5234, 0.2872, 0.3507.

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

86.5234, 0.2872, 0.3507

Protanopia

86.1237, 0.3269, 0.3432

Deuteranopia

85.6523, 0.3252, 0.3251



Tritanopia

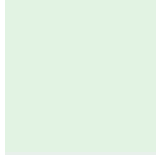
86.0729, 0.2895, 0.3166

Trichromacy



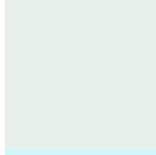
Original Color

86.5234, 0.2872, 0.3507



Protanomaly

85.8160, 0.3113, 0.3457



Deuteranomaly

85.4741, 0.3105, 0.3341



Tritanomaly

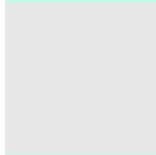
86.0368, 0.2887, 0.3279

Monochromacy



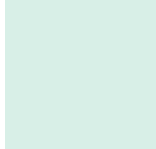
Original Color

86.5234, 0.2872, 0.3507



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.1015, 0.3026, 0.3375

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.5234, 0.2872, 0.3507 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(191, 252, 232)` looks like.

```
.text, #text, p{  
    color:rgb(191, 252, 232)  
}
```

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(191, 252, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 252, 232) }
```

Border

The CSS property to change the border of an element to Yxy 86.5234, 0.2872, 0.3507 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(191, 252, 232) }
```

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

```
.border{ border-color:rgb(191, 252, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 252, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 252, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 252, 232);  
box-shadow:4px 4px 4px 4px rgb(191, 252,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 86.5234, 0.2872, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 252, 232) }
```

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

```
.background{ background-color: rgb(191,  
252, 232) }
```

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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