

Converting Colors

$Yxy(87.2111, 0.2862, 0.3601)$

Have a look what the booklet for
Yxy(87.2111, 0.2862, 0.3601)
contains.

Yxy(87.2564, 0.2861, 0.3598)	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(87.2564, 0.2861, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	B8FFE3
RGB	184, 255, 227
RGB Percent	72%, 100%, 89%
CMY	0.2787, 0.0000, 0.1097
CMYK	0.28, 0.00, 0.11, 0.00
HSL	156°, 100%, 86%
HSV	156°, 28%, 100%
XYZ	69.3831, 87.2564, 85.8741
YIQ	230.5790, -33.3280, -23.7600

Conversions

Conversions Part 2

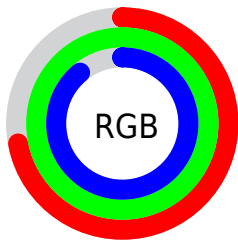
Format	Color
RYB	184, 228, 255
Decimal	12124131
CIELab	94.85, -27.59, 6.33
CIELCh	95, 28.303, 167.073
Yxy	87.2564, 0.2861, 0.3598
Android (android.graphics.Color)	4290314211 (0xFFB8FFE3)
YUV	230.5790, -1.7644, -40.8498
Hunter-Lab	93.4111, -30.8847, 10.8817

Details

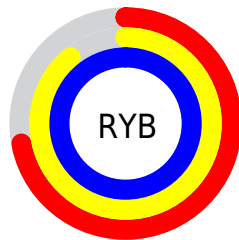
The Yxy color **87.2564, 0.2861, 0.3598** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.2641, 0.3500, 0.3003**, and the grayscale version is **79.6005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4408, 0.3041, 0.3290**, and **48.0339, 0.2799, 0.3664** is the 20% darker color. If you saturate the color by 10%, you get **83.8425, 0.2778, 0.3729**, and if you desaturate by 10%, it is **91.2573, 0.2952, 0.3477**.

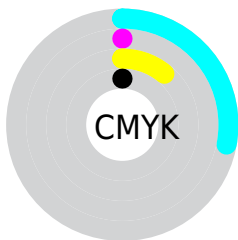
Distribution



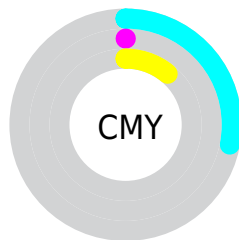
- Red (72%)
- Green (100%)
- Blue (89%)



- Red (72%)
- Yellow (89%)
- Blue (100%)



- Cyan (28%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (28%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2564, 0.2861, 0.3598 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 87.2564, 0.2861, 0.3598 by changing the saturation by 10% instead.


 87.2564, 0.2861,
0.3598

 87.2564, 0.2861,
0.3598

519.0650, 0.2982,
0.3457

 65.7074, 0.2834,
0.3630


 143.5215, 0.2902,
0.3549

 48.0349, 0.2801,
0.3669


179.0063, 0.2919,
0.3530

 33.8545, 0.2760,
0.3719

219.9053, 0.2933,
0.3514

 22.7819, 0.2706,
0.3783

266.6027, 0.2945,
0.3500

 14.4325, 0.2635,
0.3869

319.4830, 0.2956,
0.3487

 8.4221, 0.2535,
0.3993

378.9305, 0.2965,

 4.3662, 0.2384,

0.3476

0.4183

445.3298, 0.2974,
0.3466

1.8805, 0.2134,
0.4509

0.5366, 0.0000,
0.7912

87.2564, 0.2861,
0.3598

87.2564, 0.2861,
0.3598

83.8425, 0.2778,
0.3729

91.2573, 0.2952,
0.3477


81.0038, 0.2708,
0.3870


95.8932, 0.3049,
0.3368


78.6999, 0.2652,
0.4018


100.0000, 0.3127,
0.3290

76.8932, 0.2614,
0.4172

 75.5409, 0.2597,
0.4327

 74.5926, 0.2600,
0.4481

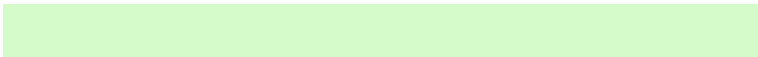
 73.9809, 0.2623,
0.4632

 73.8735, 0.2629,
0.4663

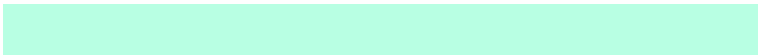
Harmonies

Analogous

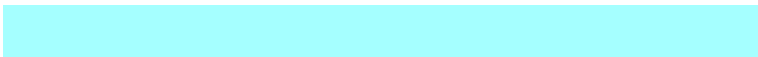
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.2564, 0.3172, 0.3812



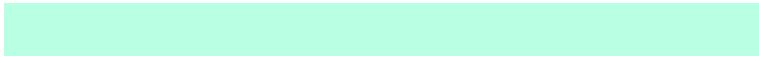
87.2564, 0.2861, 0.3598



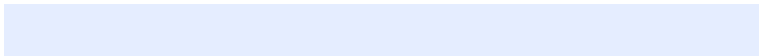
87.2564, 0.2629, 0.3295

Triad

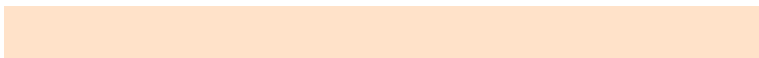
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2564, 0.2861, 0.3598



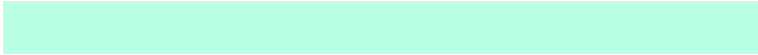
87.2564, 0.2764, 0.2762



87.2564, 0.3766, 0.3519

Complementary

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



87.2564, 0.2861, 0.3598



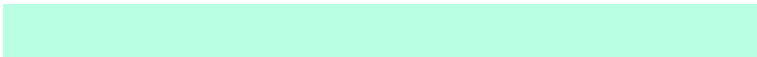
60.2641, 0.3500, 0.3003

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.



87.2564, 0.3647, 0.3253



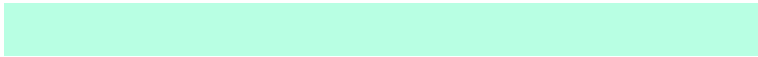
87.2564, 0.2861, 0.3598



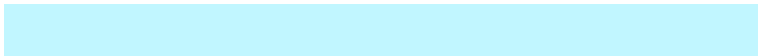
87.2564, 0.3056, 0.2831

Square

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



87.2564, 0.2861, 0.3598



87.2564, 0.2576, 0.2821



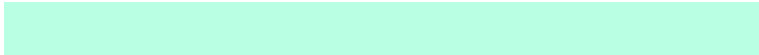
87.2564, 0.3382, 0.3007



87.2564, 0.3702, 0.3744

Rectangle

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



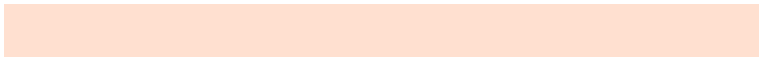
87.2564, 0.2861, 0.3598



87.2564, 0.2545, 0.3097



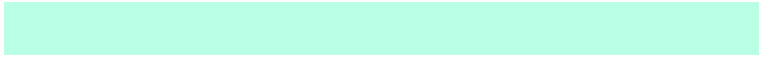
87.2564, 0.3382, 0.3007



87.2564, 0.3746, 0.3431

Sweetspot

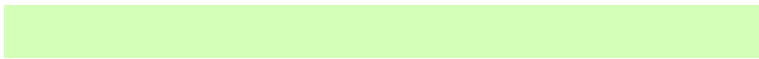
The Sweet Spot groups the original color and five complimentary colors.



87.2500, 0.2861, 0.3598



95.8276, 0.3048, 0.3369



89.0290, 0.3266, 0.4058



20.3532, 0.3033, 0.3385



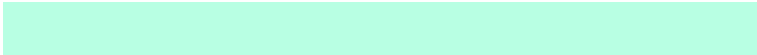
0.0000, 0.0000, 0.0000



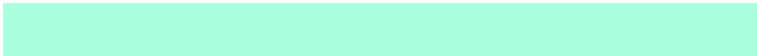
21.4041, 0.3127, 0.3290

Same Dimension

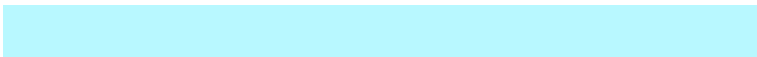
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2500, 0.2861, 0.3598



85.4281, 0.2817, 0.3664



84.4721, 0.2713, 0.3212



20.3532, 0.3033, 0.3385



38.6307, 0.2622, 0.4639



3.7828, 0.2574, 0.4468

Inverse Universe

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



60.2641, 0.3500, 0.3003



54.6878, 0.3594, 0.2948



61.9987, 0.3720, 0.3366



18.1055, 0.3232, 0.3197



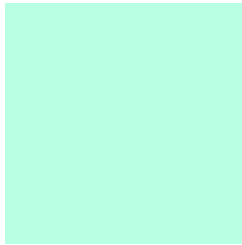
11.6208, 0.5410, 0.2754



1.1522, 0.5106, 0.2587

Previews

White Background



This preview shows how the Yxy color 87.2564, 0.2861, 0.3598 looks on a white background.

Color Contrast Check

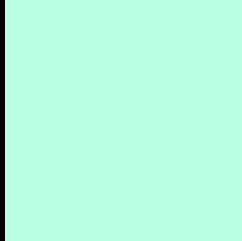
Large Text (above 18pt) WCAG AA × Fail

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 87.2564, 0.2861, 0.3598 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 87.2564, 0.2861, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 87.2564, 0.2861, 0.3598.

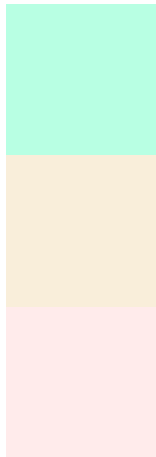


This preview shows how white text looks on a background with the Yxy color 87.2564, 0.2861, 0.3598.

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

87.2564, 0.2861, 0.3598

Protanopia

86.3508, 0.3328, 0.3492

Deuteranopia

86.6748, 0.3263, 0.3290



Tritanopia

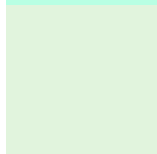
86.6731, 0.2896, 0.3176

Trichromacy



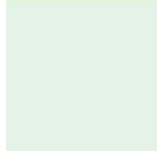
Original Color

87.2564, 0.2861, 0.3598



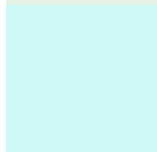
Protanomaly

85.9294, 0.3142, 0.3531



Deuteranomaly

85.9885, 0.3103, 0.3393



Tritanomaly

86.7065, 0.2881, 0.3321

Monochromacy



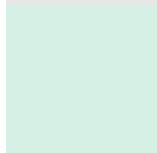
Original Color

87.2564, 0.2861, 0.3598



Achromatopsia

79.9103, 0.3127, 0.3290



Achromatomaly

82.3295, 0.3019, 0.3396

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2564, 0.2861, 0.3598 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(184, 255, 227)` looks like.

```
.text, #text, p{  
    color:rgb(184, 255, 227)  
}
```

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(184, 255, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 255, 227) }
```

Border

The CSS property to change the border of an element to Yxy 87.2564, 0.2861, 0.3598 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(184, 255, 227) }
```

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

```
.border{ border-color:rgb(184, 255, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 255, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(184, 255, 227); -webkit-box-shadow:4px 4px 4px 4px rgb(184, 255, 227); box-shadow:4px 4px 4px 4px rgb(184, 255, 227) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2564, 0.2861, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 255, 227) }
```

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

```
.background{ background-color: rgb(184,  
255, 227) }
```

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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