

Converting Colors

$Y_{xy}(100.0000, 0.2765, 0.3714)$

Have a look what the booklet for
Yxy(100.0000, 0.2765, 0.3714)
contains.

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Color

Yxy(86.1222, 0.2743, 0.3501)

Conversions

Conversions Part 1

Format	Color
Hex	AAFFEC
RGB	170, 255, 236
RGB Percent	67%, 100%, 93%
CMY	0.3333, 0.0000, 0.0747
CMYK	0.33, 0.00, 0.07, 0.00
HSL	167°, 100%, 83%
HSV	167°, 33%, 100%
XYZ	67.4759, 86.1222, 92.3950
YIQ	227.4190, -44.5610, -23.9290

Conversions

Conversions Part 2

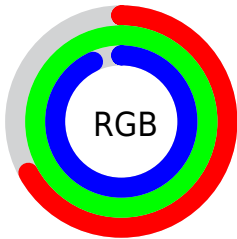
Format	Color
R _Y B	170, 218, 255
Decimal	11206636
CIE Lab	94.36, -29.67, 0.94
CIE LCh	94, 29.684, 178.193
Yxy	86.1222, 0.2743, 0.3501
Android (android.graphics.Color)	4289396716 (0xFFAAFFEC)
YUV	227.4190, 4.2304, -50.3565
Hunter-Lab	92.8020, -32.6171, 5.9315

Details

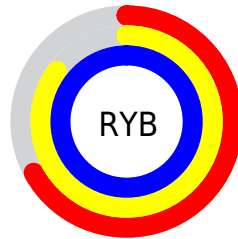
The Yxy color **86.1222, 0.2743, 0.3501** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **53.6927, 0.3733, 0.3092**, and the grayscale version is **77.1302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2340, 0.2964, 0.3290**, and **47.2609, 0.2658, 0.3552** is the 20% darker color. If you saturate the color by 10%, you get **83.2234, 0.2650, 0.3576**, and if you desaturate by 10%, it is **89.5826, 0.2849, 0.3431**.

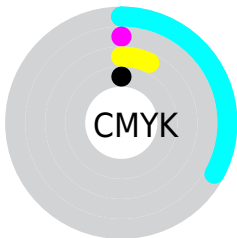
Distribution



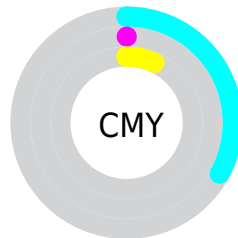
- Red (67%)
- Green (100%)
- Blue (93%)



- Red (67%)
- Yellow (85%)
- Blue (100%)



- Cyan (33%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)





- Cyan (33%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1222, 0.2743, 0.3501 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 86.1222, 0.2743, 0.3501 by changing the saturation by 10% instead.

 86.1222, 0.2743,
0.3501

 86.1222, 0.2743,
0.3501


515.3341, 0.2915,
0.3406

 64.7690, 0.2705,
0.3522


 141.9400, 0.2802,
0.3469

 47.2738, 0.2659,
0.3548


177.1734, 0.2825,
0.3456

 33.2522, 0.2601,
0.3580


217.8024, 0.2845,
0.3445

 22.3197, 0.2527,
0.3621

264.2113, 0.2862,
0.3435

 14.0920, 0.2429,
0.3676

316.7845, 0.2878,
0.3427

 8.1847, 0.2294,
0.3752

375.9064, 0.2892,

 4.2133, 0.2096,

0.3419

0.3864

441.9615, 0.2904,
0.3412

■ 1.7936, 0.1777,
0.4048

■ 0.4832, 0.0000,
0.5119

■ 86.1222, 0.2743,
0.3501

■ 86.1222, 0.2743,
0.3501

■ 83.2234, 0.2650,
0.3576

■ 89.5826, 0.2849,
0.3431

■ 80.8544, 0.2571,
0.3654

■ 93.6344, 0.2964,
0.3367

■ 78.9797, 0.2511,
0.3736

■ 98.3049, 0.3086,
0.3308

■ 77.5596, 0.2470,
0.3819

100.0000, 0.3127,
0.3290

■ 76.5480, 0.2450,
0.3903

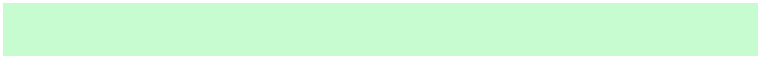
■ 75.8890, 0.2449,
0.3986

■ 75.5917, 0.2456,
0.4041

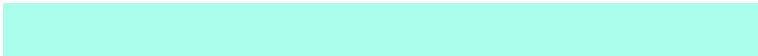
Harmonies

Analogous

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



86.1222, 0.3047, 0.3775



86.1222, 0.2743, 0.3501



86.1222, 0.2547, 0.3175

Triad

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



86.1222, 0.2743, 0.3501



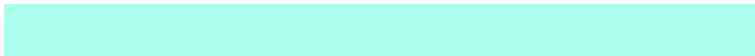
86.1222, 0.2849, 0.2748



86.1222, 0.3798, 0.3626

Complementary

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



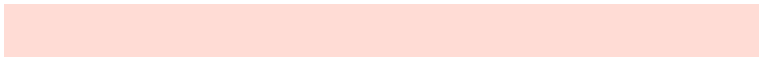
86.1222, 0.2743, 0.3501



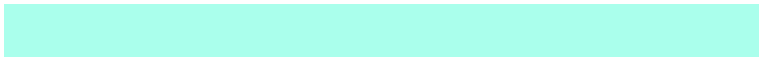
53.6927, 0.3733, 0.3092

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.



86.1222, 0.3743, 0.3354



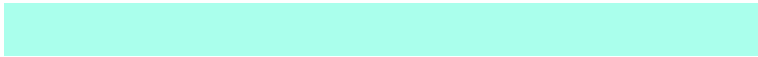
86.1222, 0.2743, 0.3501



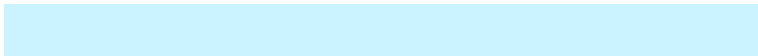
86.1222, 0.3180, 0.2865

Square

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



86.1222, 0.2743, 0.3501



86.1222, 0.2605, 0.2757



86.1222, 0.3512, 0.3082



86.1222, 0.3662, 0.3830

Rectangle

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



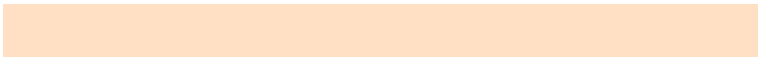
86.1222, 0.2743, 0.3501



86.1222, 0.2497, 0.2984



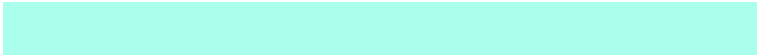
86.1222, 0.3512, 0.3082



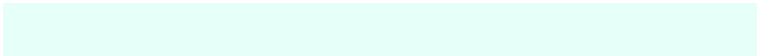
86.1222, 0.3801, 0.3539

Sweetspot

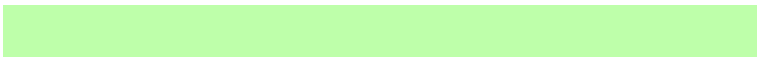
The Sweet Spot groups the original color and five complimentary colors.



86.1221, 0.2743, 0.3501



95.1179, 0.3004, 0.3347



85.3504, 0.3200, 0.4253



20.2232, 0.2987, 0.3355



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

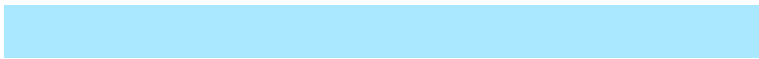
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.1221, 0.2743, 0.3501



84.1271, 0.2679, 0.3550



73.6719, 0.2619, 0.3035



20.4077, 0.3010, 0.3344



39.5219, 0.2452, 0.4027



3.8644, 0.2426, 0.3933

Inverse Universe

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



53.6927, 0.3733, 0.3092



47.1710, 0.3912, 0.3052



62.1615, 0.3832, 0.3529



18.0537, 0.3259, 0.3237



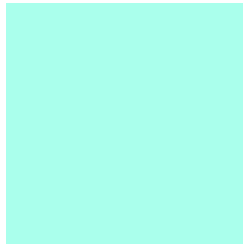
11.2821, 0.6014, 0.3086



1.1141, 0.5706, 0.2917

Previews

White Background



This preview shows how the Yxy color 86.1222, 0.2743, 0.3501 looks on a white background.

Color Contrast Check

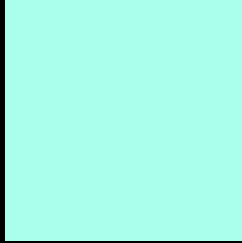
Large Text (above 18pt) WCAG AA × Fail

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 86.1222, 0.2743, 0.3501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

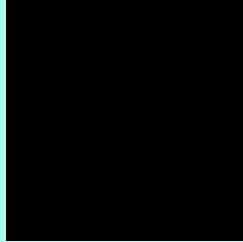
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.1222, 0.2743, 0.3501

Background



This preview shows how black text looks on a background with the Yxy color 86.1222, 0.2743, 0.3501.

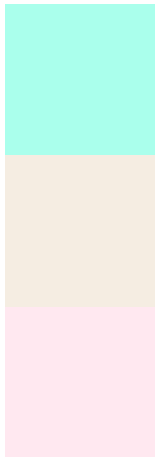


This preview shows how white text looks on a background with the Yxy color 86.1222, 0.2743, 0.3501.

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

86.1222, 0.2743, 0.3501

Protanopia

85.4718, 0.3250, 0.3401

Deuteranopia

85.2645, 0.3233, 0.3212



Tritanopia

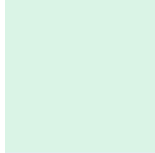
85.6230, 0.2854, 0.3175

Trichromacy



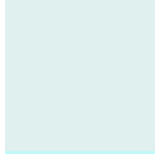
Original Color

86.1222, 0.2743, 0.3501



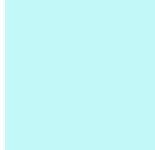
Protanomaly

85.3200, 0.3044, 0.3437



Deuteranomaly

84.3995, 0.3030, 0.3300



Tritanomaly

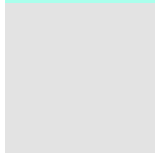
85.5142, 0.2808, 0.3289

Monochromacy



Original Color

86.1222, 0.2743, 0.3501



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.4034, 0.2968, 0.3366

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1222, 0.2743, 0.3501 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(170, 255, 236)` looks like.

```
.text, #text, p{  
    color:rgb(170, 255, 236)  
}
```

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(170, 255, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 86.1222, 0.2743, 0.3501 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(170, 255, 236) }
```

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

```
.border{ border-color:rgb(170, 255, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 255, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(170, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1222, 0.2743, 0.3501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 255, 236) }
```

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

```
.background{ background-color: rgb(170,  
255, 236) }
```

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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