

Converting Colors

$Yxy(86.2802, 0.2738, 0.3482)$

Have a look what the booklet for
Yxy(86.2802, 0.2738, 0.3482)
contains.

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Color

Yxy(86.3510, 0.2738, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	ABFFEE
RGB	171, 255, 238
RGB Percent	67%, 100%, 93%
CMY	0.3295, 0.0000, 0.0668
CMYK	0.33, 0.00, 0.07, 0.00
HSL	168°, 100%, 84%
HSV	168°, 33%, 100%
XYZ	67.9784, 86.3510, 93.9483
YIQ	227.9460, -44.6070, -23.0950

Conversions

Conversions Part 2

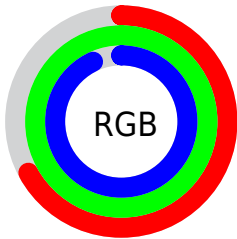
Format	Color
RYB	171, 218, 255
Decimal	11272174
CIELab	94.46, -28.99, 0.05
CIElCh	94, 28.986, 179.902
Yxy	86.3510, 0.2738, 0.3478
Android (android.graphics.Color)	4289462254 (0xFFABFFEE)
YUV	227.9460, 4.9566, -49.9416
Hunter-Lab	92.9252, -32.0394, 5.1049

Details

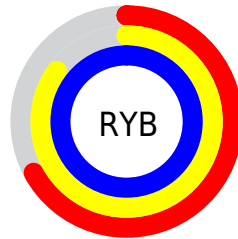
The Yxy color **86.3510, 0.2738, 0.3478** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.0065, 0.3740, 0.3113**, and the grayscale version is **77.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **47.4104, 0.2652, 0.3521** is the 20% darker color. If you saturate the color by 10%, you get **83.4546, 0.2642, 0.3545**, and if you desaturate by 10%, it is **89.7986, 0.2847, 0.3415**.

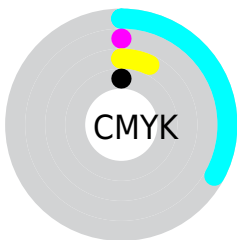
Distribution



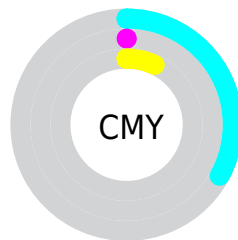
- Red (67%)
- Green (100%)
- Blue (93%)



- 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 86.3510, 0.2738, 0.3478 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 86.3510, 0.2738, 0.3478 by changing the saturation by 10% instead.

 86.3510, 0.2738,
0.3478

 86.3510, 0.2738,
0.3478


516.0879, 0.2912,
0.3394

 64.9583, 0.2700,
0.3497


 142.2592, 0.2797,
0.3449

 47.4272, 0.2653,
0.3519


177.5434, 0.2821,
0.3438

 33.3735, 0.2595,
0.3547


218.2270, 0.2841,
0.3428

 22.4127, 0.2521,
0.3583

264.6942, 0.2859,
0.3420

 14.1605, 0.2422,
0.3630

317.3295, 0.2874,
0.3412

 8.2324, 0.2287,
0.3696

376.5173, 0.2888,

 4.2440, 0.2089,

0.3405

0.3791

442.6420, 0.2901,
0.3399

■ 1.8110, 0.1773,
0.3944

■ 0.4940, 0.0000,
0.4803

■ 86.3510, 0.2738,
0.3478

■ 86.3510, 0.2738,
0.3478

■ 83.4546, 0.2642,
0.3545

■ 89.7986, 0.2847,
0.3415

■ 81.0922, 0.2561,
0.3615

■ 93.8416, 0.2965,
0.3357

■ 79.2236, 0.2499,
0.3688

■ 98.5023, 0.3089,
0.3305

■ 77.8094, 0.2456,
0.3763

100.0000, 0.3127,
0.3290

■ 76.8038, 0.2432,
0.3838

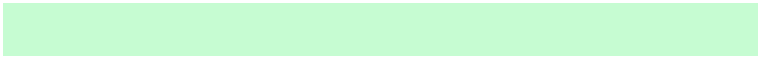
■ 76.1513, 0.2429,
0.3913

■ 75.8469, 0.2435,
0.3965

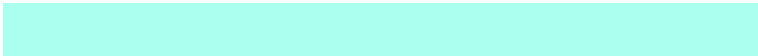
Harmonies

Analogous

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



86.3510, 0.3031, 0.3751



86.3510, 0.2738, 0.3478



86.3510, 0.2553, 0.3161

Triad

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



86.3510, 0.2738, 0.3478



86.3510, 0.2873, 0.2763



86.3510, 0.3778, 0.3632

Complementary

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



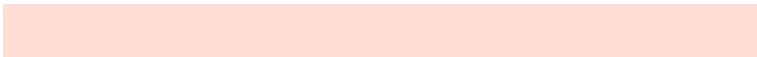
86.3510, 0.2738, 0.3478



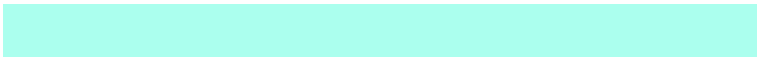
54.0065, 0.3740, 0.3113

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.



86.3510, 0.3736, 0.3369



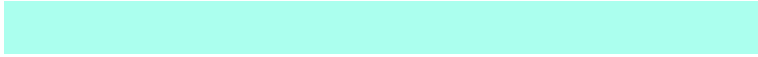
86.3510, 0.2738, 0.3478



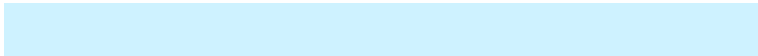
86.3510, 0.3198, 0.2885

Square

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



86.3510, 0.2738, 0.3478



86.3510, 0.2628, 0.2766



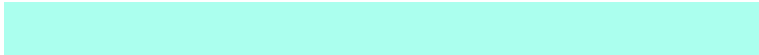
86.3510, 0.3519, 0.3101



86.3510, 0.3637, 0.3825

Rectangle

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



86.3510, 0.2738, 0.3478



86.3510, 0.2510, 0.2978



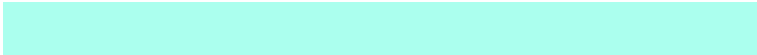
86.3510, 0.3519, 0.3101



86.3510, 0.3786, 0.3549

Sweetspot

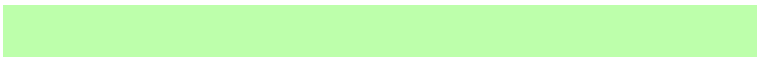
The Sweet Spot groups the original color and five complimentary colors.



86.3461, 0.2738, 0.3478



95.1520, 0.3001, 0.3341



85.3009, 0.3190, 0.4243



20.2315, 0.2984, 0.3349



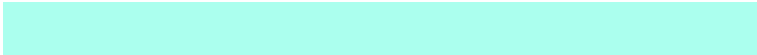
0.0000, 0.0000, 0.0000



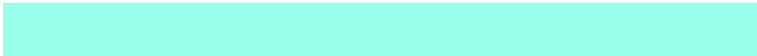
21.4041, 0.3127, 0.3290

Same Dimension

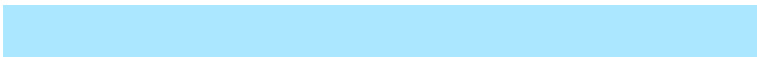
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3461, 0.2738, 0.3478



84.2516, 0.2669, 0.3525



73.1344, 0.2623, 0.3022



20.4147, 0.3007, 0.3339



39.6537, 0.2431, 0.3952



3.8762, 0.2408, 0.3867

Inverse Universe

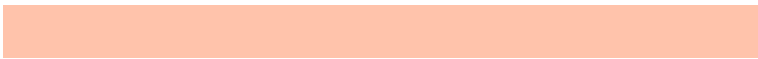
The Inverse Universe completely reimagines the original color for something new.



54.0065, 0.3740, 0.3113



47.0857, 0.3934, 0.3075



63.1311, 0.3817, 0.3541



18.0473, 0.3262, 0.3242



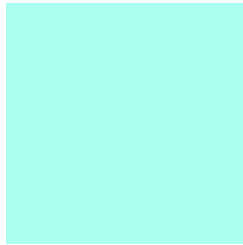
11.2537, 0.6073, 0.3119



1.1105, 0.5774, 0.2954

Previews

White Background



This preview shows how the Yxy color 86.3510, 0.2738, 0.3478 looks on a white background.

Color Contrast Check

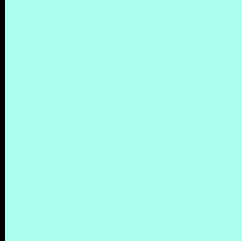
Large Text (above 18pt) WCAG AA × Fail

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 86.3510, 0.2738, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

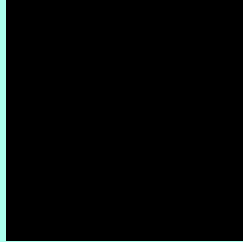
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

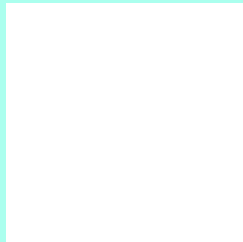
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.3510, 0.2738, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 86.3510, 0.2738, 0.3478.

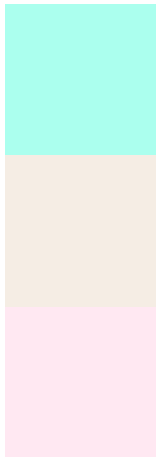


This preview shows how white text looks on a background with the Yxy color 86.3510, 0.2738, 0.3478.

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

86.3510, 0.2738, 0.3478

Protanopia

85.5823, 0.3237, 0.3381

Deuteranopia

85.3840, 0.3220, 0.3192



Tritanopia

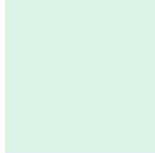
85.6230, 0.2854, 0.3175

Trichromacy



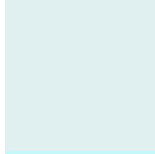
Original Color

86.3510, 0.2738, 0.3478



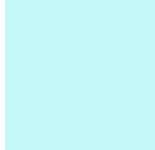
Protanomaly

85.4330, 0.3032, 0.3416



Deuteranomaly

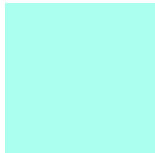
84.5183, 0.3018, 0.3279



Tritanomaly

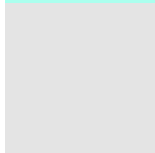
85.7101, 0.2809, 0.3278

Monochromacy



Original Color

86.3510, 0.2738, 0.3478



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.2407, 0.2963, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3510, 0.2738, 0.3478 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(171, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(171, 255, 238)  
}
```

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(171, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 255, 238) }
```

Border

The CSS property to change the border of an element to Yxy 86.3510, 0.2738, 0.3478 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(171, 255, 238) }
```

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

```
.border{ border-color:rgb(171, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 255, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 255, 238);  
box-shadow:4px 4px 4px 4px rgb(171, 255,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3510, 0.2738, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 255, 238) }
```

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

```
.background{ background-color: rgb(171,  
255, 238) }
```

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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