

Converting Colors

$Yxy(88.9517, 0.2765, 0.3527)$

Have a look what the booklet for
Yxy(88.9517, 0.2765, 0.3527)
contains.

Yxy(86.7484, 0.2763, 0.3488)	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(86.7484, 0.2763, 0.3488)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFED
RGB	175, 255, 237
RGB Percent	69%, 100%, 93%
CMY	0.3139, 0.0000, 0.0706
CMYK	0.31, 0.00, 0.07, 0.00
HSL	167°, 100%, 84%
HSV	167°, 31%, 100%
XYZ	68.7173, 86.7484, 93.2396
YIQ	229.0280, -41.9020, -22.5580

Conversions

Conversions Part 2

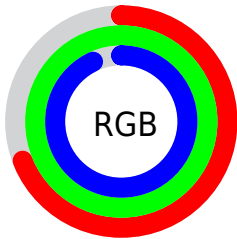
Format	Color
RYB	175, 220, 255
Decimal	11534317
CIELab	94.63, -28.10, 0.82
CIELCh	95, 28.113, 178.326
Yxy	86.7484, 0.2763, 0.3488
Android (android.graphics.Color)	4289724397 (0xFFAFFED)
YUV	229.0280, 3.9302, -47.3826
Hunter-Lab	93.1388, -31.2967, 5.8430

Details

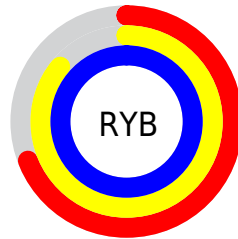
The Yxy color **86.7484, 0.2763, 0.3488** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.7522, 0.3684, 0.3104**, and the grayscale version is **78.3593, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **47.7174, 0.2687, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **83.7371, 0.2667, 0.3562**, and if you desaturate by 10%, it is **90.3175, 0.2871, 0.3419**.

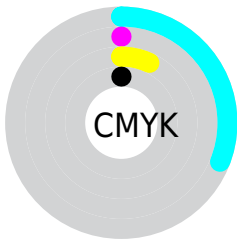
Distribution



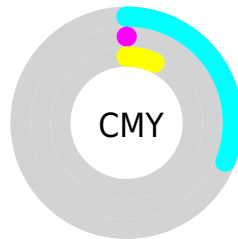
- Red (69%)
- Green (100%)
- Blue (93%)



- Red (69%)
- Yellow (86%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)




- Cyan (31%)
- Magenta (0%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7484, 0.2763, 0.3488 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 86.7484, 0.2763, 0.3488 by changing the saturation by 10% instead.


 86.7484, 0.2763,
0.3488

 86.7484, 0.2763,
0.3488


517.3958, 0.2926,
0.3399

 65.2870, 0.2727,
0.3508


 142.8134, 0.2819,
0.3458

 47.6938, 0.2683,
0.3532

178.1858, 0.2840,
0.3446

 33.5845, 0.2629,
0.3562


218.9640, 0.2859,
0.3435

 22.5746, 0.2559,
0.3600

265.5324, 0.2876,
0.3426

 14.2797, 0.2467,
0.3651

318.2754, 0.2891,
0.3418

 8.3155, 0.2339,
0.3722

377.5773, 0.2904,

 4.2975, 0.2152,

0.3411

443.8227, 0.2915,
0.3405

0.3826

1.8413, 0.1853,
0.3996

0.5127, 0.0000,
0.5059

86.7484, 0.2763,
0.3488

86.7484, 0.2763,
0.3488

83.7371, 0.2667,
0.3562

90.3175, 0.2871,
0.3419

81.2670, 0.2586,
0.3640

94.4884, 0.2987,
0.3355

79.2985, 0.2522,
0.3722

99.2832, 0.3110,
0.3298

77.7927, 0.2477,
0.3805

100.0000, 0.3127,
0.3290

■ 76.7051, 0.2453,
0.3889

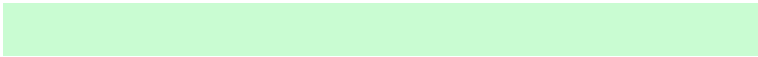
■ 75.9821, 0.2448,
0.3973

■ 75.5809, 0.2457,
0.4044

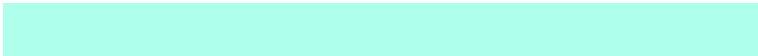
Harmonies

Analogous

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



86.7484, 0.3051, 0.3746



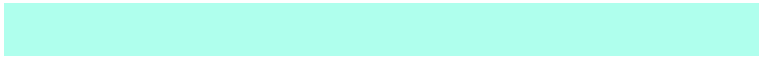
86.7484, 0.2763, 0.3488



86.7484, 0.2577, 0.3181

Triad

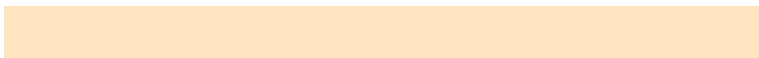
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.7484, 0.2763, 0.3488



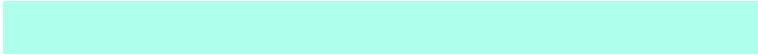
86.7484, 0.2866, 0.2776



86.7484, 0.3760, 0.3610

Complementary

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



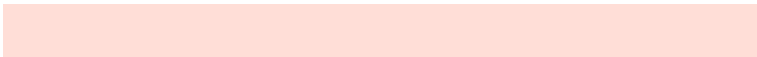
86.7484, 0.2763, 0.3488



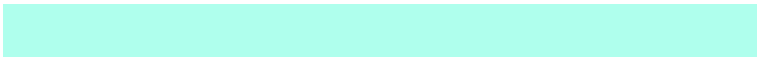
55.7522, 0.3684, 0.3104

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.



86.7484, 0.3709, 0.3353



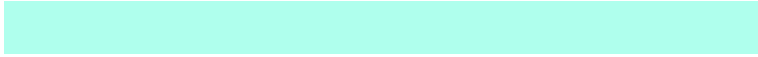
86.7484, 0.2763, 0.3488



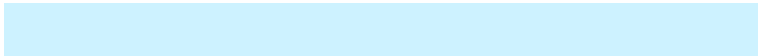
86.7484, 0.3179, 0.2888

Square

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



86.7484, 0.2763, 0.3488



86.7484, 0.2634, 0.2786



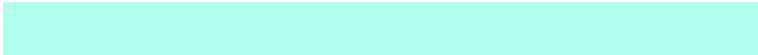
86.7484, 0.3492, 0.3094



86.7484, 0.3632, 0.3802

Rectangle

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



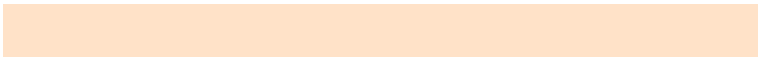
86.7484, 0.2763, 0.3488



86.7484, 0.2530, 0.3001



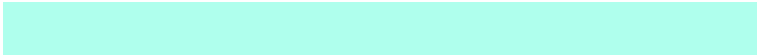
86.7484, 0.3492, 0.3094



86.7484, 0.3764, 0.3529

Sweetspot

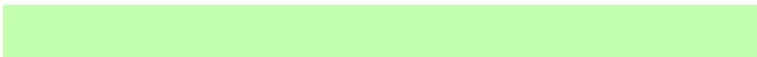
The Sweet Spot groups the original color and five complimentary colors.



86.7434, 0.2763, 0.3488



95.5762, 0.3016, 0.3341



86.0345, 0.3197, 0.4189



20.3145, 0.2999, 0.3350



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

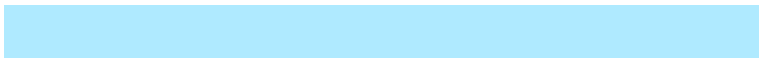
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7434, 0.2763, 0.3488



84.6942, 0.2698, 0.3536



74.9788, 0.2648, 0.3052



20.4074, 0.3010, 0.3344



39.5163, 0.2453, 0.4031



3.8639, 0.2427, 0.3936

Inverse Universe

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



55.7522, 0.3684, 0.3104



49.0388, 0.3855, 0.3063



63.9700, 0.3779, 0.3515



18.0540, 0.3259, 0.3237



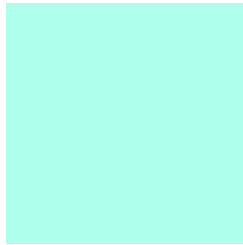
11.2833, 0.6011, 0.3085



1.1143, 0.5703, 0.2916

Previews

White Background



This preview shows how the Yxy color 86.7484, 0.2763, 0.3488 looks on a white background.

Color Contrast Check

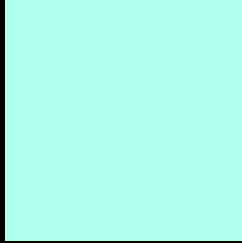
Large Text (above 18pt) WCAG AA × Fail

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 86.7484, 0.2763, 0.3488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

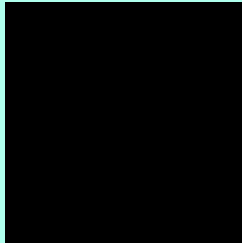
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 86.7484, 0.2763, 0.3488

Background



This preview shows how black text looks on a background with the Yxy color 86.7484, 0.2763, 0.3488.

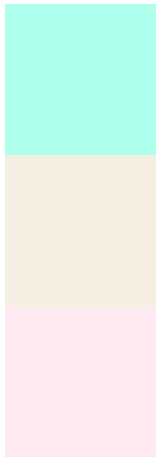


This preview shows how white text looks on a background with the Yxy color 86.7484, 0.2763, 0.3488.

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

86.7484, 0.2763, 0.3488

Protanopia

86.1076, 0.3243, 0.3401

Deuteranopia

85.8887, 0.3226, 0.3212



Tritanopia

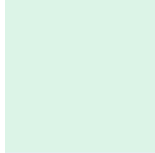
86.0675, 0.2872, 0.3176

Trichromacy



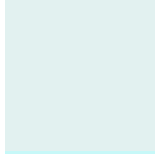
Original Color

86.7484, 0.2763, 0.3488



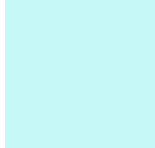
Protanomaly

85.6865, 0.3050, 0.3426



Deuteranomaly

85.3706, 0.3036, 0.3300



Tritanomaly

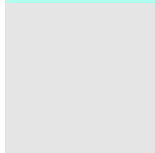
86.0542, 0.2831, 0.3289

Monochromacy



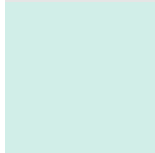
Original Color

86.7484, 0.2763, 0.3488



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5306, 0.2975, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7484, 0.2763, 0.3488 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(175, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 237)  
}
```

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(175, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 237) }
```

Border

The CSS property to change the border of an element to Yxy 86.7484, 0.2763, 0.3488 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(175, 255, 237) }
```

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

```
.border{ border-color:rgb(175, 255, 237) }
```

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

Here you see how a box with a 4 pixel rgb(175, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7484, 0.2763, 0.3488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 255, 237) }
```

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

```
.background{ background-color: rgb(175,  
255, 237) }
```

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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