

Converting Colors

$Yxy(87.7263, 0.2761, 0.3315)$

Have a look what the booklet for
Yxy(87.7263, 0.2761, 0.3315)
contains.

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Color

Yxy(87.8441, 0.2764, 0.3321)

Conversions

Conversions Part 1

Format	Color
Hex	BCFDFA
RGB	188, 253, 250
RGB Percent	74%, 99%, 98%
CMY	0.2630, 0.0078, 0.0195
CMYK	0.26, 0.00, 0.01, 0.01
HSL	177°, 94%, 86%
HSV	177°, 26%, 99%
XYZ	73.1108, 87.8441, 103.5561
YIQ	233.2230, -37.7770, -14.7130

Conversions

Conversions Part 2

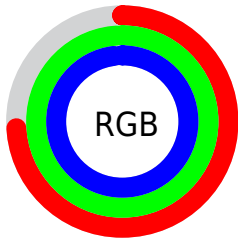
Format	Color
R_{YB}	188, 221, 253
Decimal	12385786
CIE _{Lab}	95.10, -20.73, -5.14
CIE _{LCh}	95, 21.361, 193.924
Yxy	87.8441, 0.2764, 0.3321
Android (android.graphics.Color)	4290575866 (0xFFBCFDFA)
YUV	233.2230, 8.2711, -39.6606
Hunter-Lab	93.7252, -24.7792, 0.0987

Details

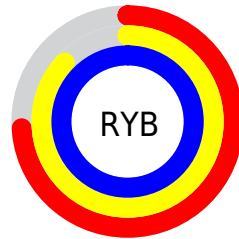
The Yxy color **87.8441, 0.2764, 0.3321** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **60.5877, 0.3653, 0.3260**, and the grayscale version is **81.6148, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3328, 0.3072, 0.3290**, and **48.3614, 0.2685, 0.3316** is the 20% darker color. If you saturate the color by 10%, you get **84.8393, 0.2643, 0.3335**, and if you desaturate by 10%, it is **91.4197, 0.2898, 0.3308**.

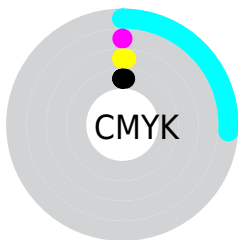
Distribution



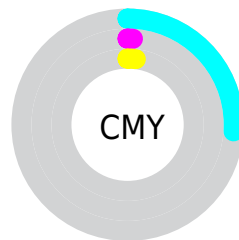
- Red (74%)
- Green (99%)
- Blue (98%)



- Red (74%)
- Yellow (87%)
- Blue (99%)



- Cyan (26%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)




- Cyan (26%)
- Magenta (1%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8441, 0.2764, 0.3321 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 87.8441, 0.2764, 0.3321 by changing the saturation by 10% instead.

 87.8441, 0.2764,
0.3321

 87.8441, 0.2764,
0.3321


520.9926, 0.2925,
0.3309

 66.1940, 0.2729,
0.3323


 144.3401, 0.2819,
0.3317

 48.4299, 0.2686,
0.3326


179.9547, 0.2840,
0.3316

 34.1674, 0.2633,
0.3328

220.9930, 0.2859,
0.3314

 23.0223, 0.2566,
0.3331

267.8393, 0.2875,
0.3313

 14.6099, 0.2478,
0.3334

320.8780, 0.2890,
0.3312

 8.5461, 0.2357,
0.3336

380.4935, 0.2903,

 4.4463, 0.2183,

0.3311

447.0702, 0.2914,
0.3310

0.3336

1.9262, 0.1909,
0.3325

0.5641, 0.0191,
0.3598

87.8441, 0.2764,
0.3321

87.8441, 0.2764,
0.3321

84.8393, 0.2643,
0.3335

91.4197, 0.2898,
0.3308

82.3651, 0.2537,
0.3349

95.5827, 0.3042,
0.3296

80.3931, 0.2449,
0.3364

98.6448, 0.3137,
0.3285

78.8878, 0.2381,
0.3380

98.7196, 0.3130,
0.3274

■ 77.8090, 0.2332,
0.3395

98.7401, 0.3128,
0.3271

■ 77.1098, 0.2302,
0.3410

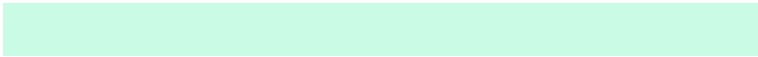
■ 76.7320, 0.2289,
0.3426

■ 76.6320, 0.2287,
0.3432

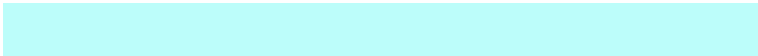
Harmonies

Analogous

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



87.8441, 0.2951, 0.3541



87.8441, 0.2764, 0.3321



87.8441, 0.2674, 0.3102

Triad

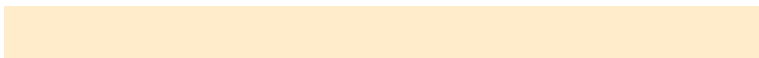
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.8441, 0.2764, 0.3321



87.8441, 0.3050, 0.2929



87.8441, 0.3572, 0.3622

Complementary

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



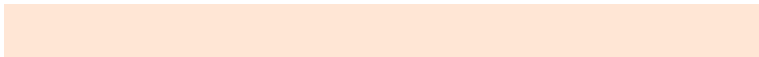
87.8441, 0.2764, 0.3321



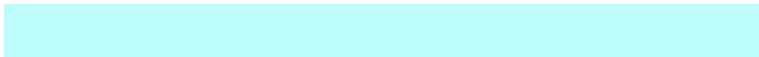
60.5877, 0.3653, 0.3260

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.



87.8441, 0.3603, 0.3448



87.8441, 0.2764, 0.3321



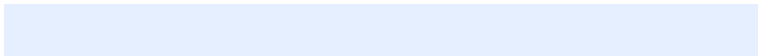
87.8441, 0.3296, 0.3057

Square

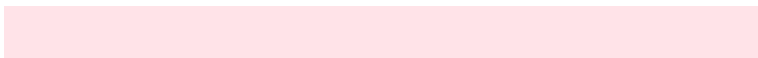
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8441, 0.2764, 0.3321



87.8441, 0.2834, 0.2887



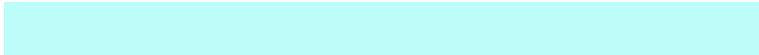
87.8441, 0.3501, 0.3244



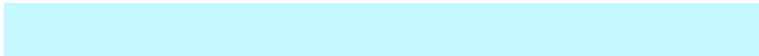
87.8441, 0.3418, 0.3714

Rectangle

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



87.8441, 0.2764, 0.3321



87.8441, 0.2677, 0.2989



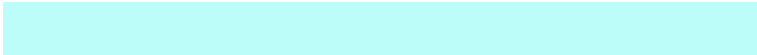
87.8441, 0.3501, 0.3244



87.8441, 0.3597, 0.3570

Sweetspot

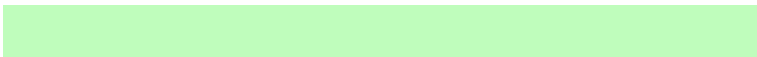
The Sweet Spot groups the original color and five complimentary colors.



87.8477, 0.2764, 0.3321



96.2737, 0.3008, 0.3299



84.9908, 0.3112, 0.4024



20.4662, 0.2986, 0.3301



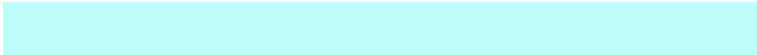
0.0000, 0.0000, 0.0000



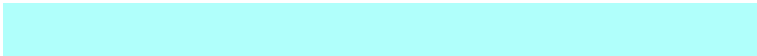
21.4041, 0.3127, 0.3290

Same Dimension

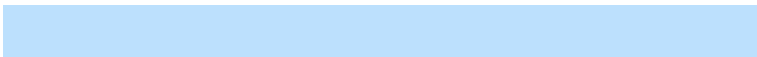
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.8477, 0.2764, 0.3321



87.7318, 0.2698, 0.3328



70.9455, 0.2719, 0.2966



20.4662, 0.2986, 0.3301



40.7661, 0.2286, 0.3430



3.9735, 0.2281, 0.3412

Inverse Universe

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



60.5877, 0.3653, 0.3260



55.5698, 0.3803, 0.3254



74.2567, 0.3603, 0.3593



18.0006, 0.3287, 0.3279



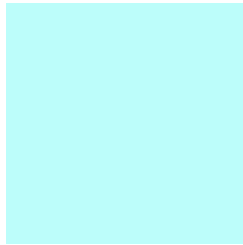
11.1281, 0.6354, 0.3274



1.0881, 0.6245, 0.3214

Previews

White Background



This preview shows how the Yxy color 87.8441, 0.2764, 0.3321 looks on a white background.

Color Contrast Check

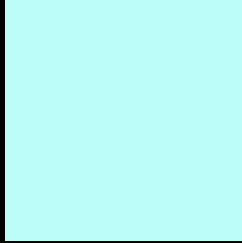
Large Text (above 18pt) WCAG AA × Fail

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 87.8441, 0.2764, 0.3321 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

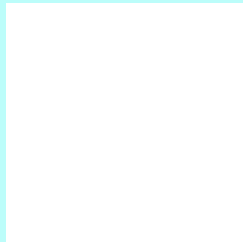
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.8441, 0.2764, 0.3321

Background



This preview shows how black text looks on a background with the Yxy color 87.8441, 0.2764, 0.3321.

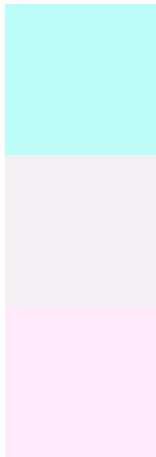


This preview shows how white text looks on a background with the Yxy color 87.8441, 0.2764, 0.3321.

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

87.8441, 0.2764, 0.3321

Protanopia

87.3769, 0.3142, 0.3260

Deuteranopia

87.1339, 0.3155, 0.3116



Tritanopia

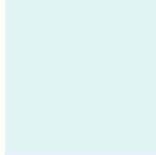
87.5849, 0.2908, 0.3187

Trichromacy



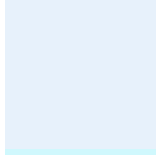
Original Color

87.8441, 0.2764, 0.3321



Protanomaly

87.1412, 0.2995, 0.3279



Deuteranomaly

86.8646, 0.3004, 0.3189



Tritanomaly

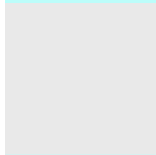
87.6365, 0.2856, 0.3237

Monochromacy



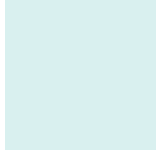
Original Color

87.8441, 0.2764, 0.3321



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.3039, 0.2985, 0.3300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8441, 0.2764, 0.3321 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(188, 253, 250)` looks like.

```
.text, #text, p{  
    color:rgb(188, 253, 250)  
}
```

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(188, 253, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 253, 250) }
```

Border

The CSS property to change the border of an element to Yxy 87.8441, 0.2764, 0.3321 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(188, 253, 250) }
```

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

```
.border{ border-color:rgb(188, 253, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 253, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 253, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 253, 250);  
box-shadow:4px 4px 4px 4px rgb(188, 253,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8441, 0.2764, 0.3321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 253, 250) }
```

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

```
.background{ background-color: rgb(188,  
253, 250) }
```

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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