

Converting Colors

$Y_{xy}(100.0000, 0.2733, 0.3561)$

Have a look what the booklet for
Yxy(100.0000, 0.2733, 0.3561)
contains.

Yxy(87.4113, 0.2709, 0.3365)	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(87.4113, 0.2709, 0.3365)

Conversions

Conversions Part 1

Format	Color
Hex	AFFFF8
RGB	175, 255, 248
RGB Percent	69%, 100%, 97%
CMY	0.3140, 0.0000, 0.0274
CMYK	0.31, 0.00, 0.03, 0.00
HSL	175°, 100%, 84%
HSV	175°, 31%, 100%
XYZ	70.3706, 87.4113, 101.9842
YIQ	230.2820, -45.4330, -19.1370

Conversions

Conversions Part 2

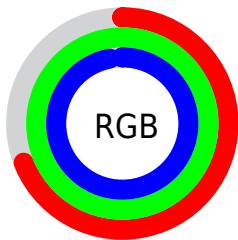
Format	Color
R_{YB}	175, 217, 255
Decimal	11534328
CIE _{Lab}	94.91, -25.74, -4.46
CIE _{LCh}	95, 26.125, 189.819
Yxy	87.4113, 0.2709, 0.3365
Android (android.graphics.Color)	4289724408 (0xFFAFF8)
YUV	230.2820, 8.7350, -48.4823
Hunter-Lab	93.4940, -29.2620, 0.7717

Details

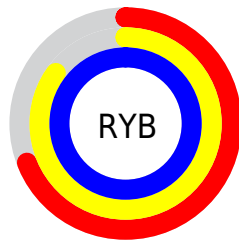
The Yxy color **87.4113, 0.2709, 0.3365** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **55.2618, 0.3785, 0.3219**, and the grayscale version is **79.2917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0636, 0.2993, 0.3290**, and **48.1159, 0.2616, 0.3374** is the 20% darker color. If you saturate the color by 10%, you get **84.5904, 0.2600, 0.3392**, and if you desaturate by 10%, it is **90.7745, 0.2832, 0.3339**.

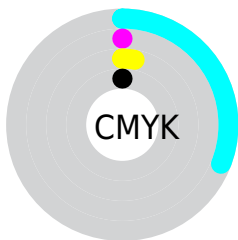
Distribution



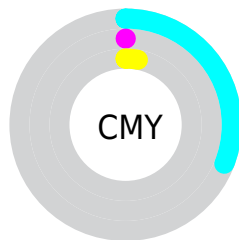
- Red (69%)
- Green (100%)
- Blue (97%)



- Red (69%)
- Yellow (85%)
- Blue (100%)



- Cyan (31%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4113, 0.2709, 0.3365 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 87.4113, 0.2709, 0.3365 by changing the saturation by 10% instead.


 87.4113, 0.2709,
0.3365

 87.4113, 0.2709,
0.3365

519.5734, 0.2894,
0.3334

 65.8356, 0.2668,
0.3371


 143.7373, 0.2772,
0.3355

 48.1390, 0.2619,
0.3379


179.2564, 0.2797,
0.3351

 33.9370, 0.2558,
0.3388

220.1921, 0.2818,
0.3347

 22.8452, 0.2481,
0.3399

266.9288, 0.2837,
0.3344

 14.4792, 0.2380,
0.3412

319.8509, 0.2854,
0.3341

 8.4547, 0.2241,
0.3428

379.3428, 0.2869,

 4.3873, 0.2041,

0.3338

0.3448

445.7888, 0.2882,
0.3336

■ 1.8925, 0.1731,
0.3467

■ 0.5438, 0.0000,
0.3757

■ 87.4113, 0.2709,
0.3365

■ 87.4113, 0.2709,
0.3365

■ 84.5904, 0.2600,
0.3392

■ 90.7745, 0.2832,
0.3339

■ 82.3048, 0.2507,
0.3421

■ 94.7335, 0.2965,
0.3315

■ 80.5119, 0.2433,
0.3451

■ 99.3071, 0.3107,
0.3293

■ 79.1729, 0.2378,
0.3481

100.0000, 0.3127,
0.3290

■ 78.2432, 0.2343,
0.3511

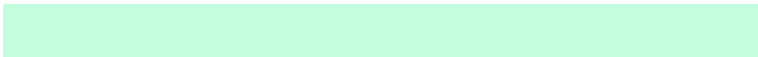
■ 77.6694, 0.2327,
0.3541

■ 77.3901, 0.2324,
0.3566

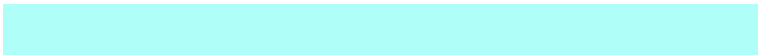
Harmonies

Analogous

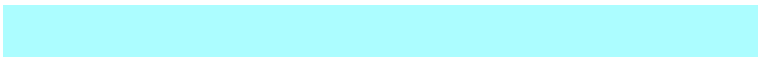
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.4113, 0.2947, 0.3632



87.4113, 0.2709, 0.3365



87.4113, 0.2583, 0.3090

Triad

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



87.4113, 0.2709, 0.3365



87.4113, 0.2991, 0.2839



87.4113, 0.3687, 0.3668

Complementary

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



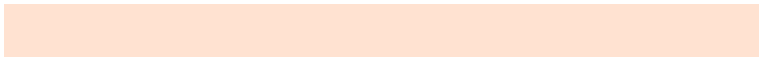
87.4113, 0.2709, 0.3365



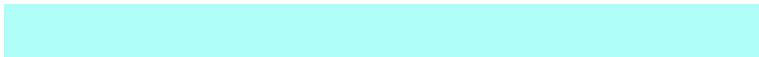
55.2618, 0.3785, 0.3219

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.



87.4113, 0.3704, 0.3445



87.4113, 0.2709, 0.3365



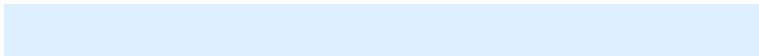
87.4113, 0.3292, 0.2981

Square

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



87.4113, 0.2709, 0.3365



87.4113, 0.2739, 0.2803



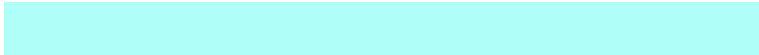
87.4113, 0.3558, 0.3198



87.4113, 0.3514, 0.3803

Rectangle

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



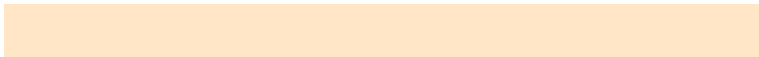
87.4113, 0.2709, 0.3365



87.4113, 0.2574, 0.2944



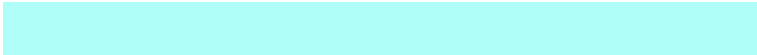
87.4113, 0.3558, 0.3198



87.4113, 0.3711, 0.3600

Sweetspot

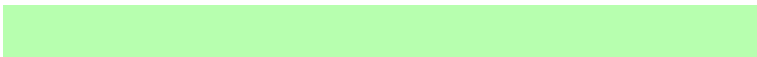
The Sweet Spot groups the original color and five complimentary colors.



87.4031, 0.2709, 0.3365



95.7760, 0.2999, 0.3309



84.6704, 0.3131, 0.4208



20.3641, 0.2978, 0.3313



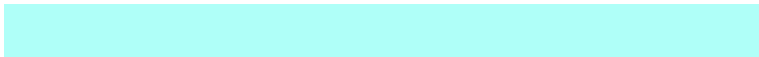
0.0000, 0.0000, 0.0000



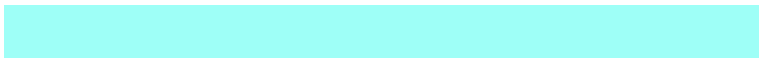
21.4041, 0.3127, 0.3290

Same Dimension

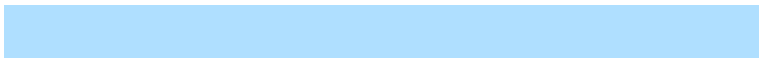
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4031, 0.2709, 0.3365



85.4871, 0.2635, 0.3383



69.0827, 0.2633, 0.2929



20.4525, 0.2992, 0.3311



40.4493, 0.2323, 0.3561



3.9461, 0.2313, 0.3527

Inverse Universe

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



55.2618, 0.3785, 0.3219



48.5211, 0.3989, 0.3204



68.9542, 0.3745, 0.3624



18.0128, 0.3281, 0.3270



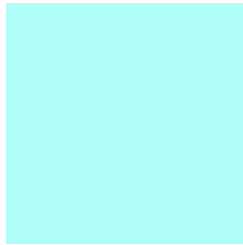
11.1483, 0.6307, 0.3248



1.0938, 0.6115, 0.3142

Previews

White Background



This preview shows how the Yxy color 87.4113, 0.2709, 0.3365 looks on a white background.

Color Contrast Check

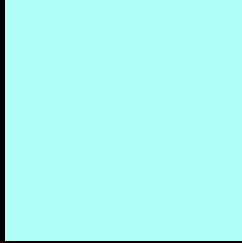
Large Text (above 18pt) WCAG AA × Fail

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 87.4113, 0.2709, 0.3365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

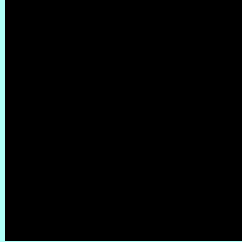
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

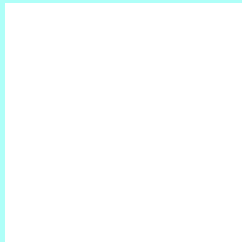
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.4113, 0.2709, 0.3365

Background



This preview shows how black text looks on a background with the Yxy color 87.4113, 0.2709, 0.3365.

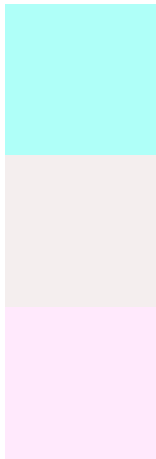


This preview shows how white text looks on a background with the Yxy color 87.4113, 0.2709, 0.3365.

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

87.4113, 0.2709, 0.3365

Protanopia

86.5552, 0.3167, 0.3290

Deuteranopia

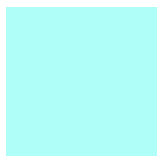
86.5661, 0.3156, 0.3106



Tritanopia

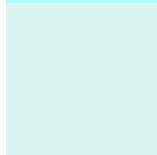
86.8210, 0.2878, 0.3186

Trichromacy



Original Color

87.4113, 0.2709, 0.3365



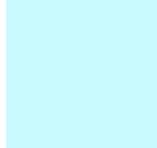
Protanomaly

86.1722, 0.2981, 0.3310



Deuteranomaly

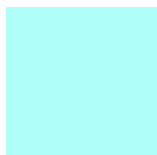
86.0444, 0.2972, 0.3188



Tritanomaly

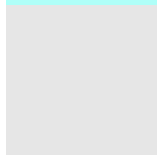
87.0590, 0.2816, 0.3257

Monochromacy



Original Color

87.4113, 0.2709, 0.3365



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5491, 0.2953, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4113, 0.2709, 0.3365 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(175, 255, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 255, 248) }
```

Border

The CSS property to change the border of an element to Yxy 87.4113, 0.2709, 0.3365 is called "border". The border property can be set on classes, ids or directly on the HTML element.

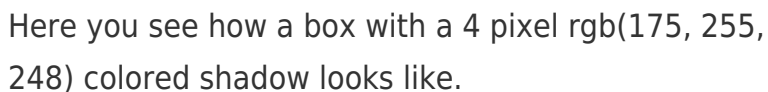
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 255, 248) }
```

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

```
.border{ border-color:rgb(175, 255, 248) }
```

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, 248) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 255, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 255, 248);  
box-shadow:4px 4px 4px 4px rgb(175, 255,  
248) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4113, 0.2709, 0.3365 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, 248) }
```

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

```
.background{ background-color: rgb(175,  
255, 248) }
```

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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