

Converting Colors

$Yxy(87.3284, 0.2767, 0.3455)$

Have a look what the booklet for
Yxy(87.3284, 0.2767, 0.3455)
contains.

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Color

Yxy(87.2762, 0.2764, 0.3453)

Conversions

Conversions Part 1

Format	Color
Hex	B2FFF0
RGB	178, 255, 240
RGB Percent	70%, 100%, 94%
CMY	0.3017, 0.0000, 0.0587
CMYK	0.30, 0.00, 0.06, 0.00
HSL	168°, 100%, 85%
HSV	168°, 30%, 100%
XYZ	69.8614, 87.2762, 95.6171
YIQ	230.2670, -41.0770, -20.9890

Conversions

Conversions Part 2

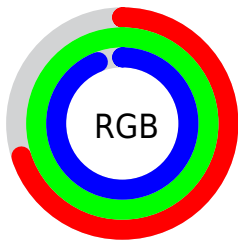
Format	Color
RYB	178, 221, 255
Decimal	11730928
CIELab	94.86, -26.59, -0.39
CIElCh	95, 26.592, 180.848
Yxy	87.2762, 0.2764, 0.3453
Android (android.graphics.Color)	4289921008 (0xFFB2FFF0)
YUV	230.2670, 4.7984, -45.8382
Hunter-Lab	93.4217, -30.0045, 4.7119

Details

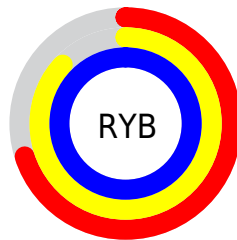
The Yxy color **87.2762, 0.2764, 0.3453** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.9775, 0.3676, 0.3135**, and the grayscale version is **79.3378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **48.0598, 0.2687, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **84.2462, 0.2663, 0.3516**, and if you desaturate by 10%, it is **90.8820, 0.2876, 0.3394**.

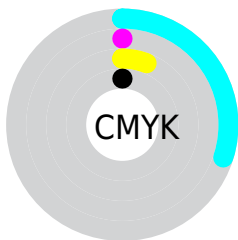
Distribution



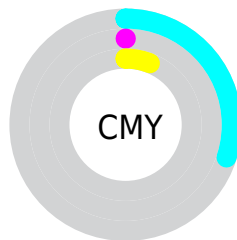
- Red (70%)
- Green (100%)
- Blue (94%)



- Red (70%)
- Yellow (87%)
- Blue (100%)



- Cyan (30%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.2762, 0.2764, 0.3453 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 87.2762, 0.2764, 0.3453 by changing the saturation by 10% instead.


 87.2762, 0.2764,
0.3453

 87.2762, 0.2764,
0.3453


519.1300, 0.2926,
0.3381

 65.7238, 0.2728,
0.3469


 143.5491, 0.2819,
0.3428

 48.0482, 0.2685,
0.3488

179.0383, 0.2841,
0.3419

 33.8651, 0.2631,
0.3512


219.9419, 0.2860,
0.3410

 22.7900, 0.2562,
0.3543

266.6444, 0.2876,
0.3403

 14.4385, 0.2471,
0.3583

319.5300, 0.2891,
0.3396

 8.4263, 0.2346,
0.3638

378.9832, 0.2904,

 4.3689, 0.2163,

0.3390

0.3719

445.3884, 0.2916,
0.3385

■ 1.8820, 0.1872,
0.3846

■ 0.5375, 0.0000,
0.4673

■ 87.2762, 0.2764,
0.3453

■ 87.2762, 0.2764,
0.3453

■ 84.2462, 0.2663,
0.3516

■ 90.8820, 0.2876,
0.3394

■ 81.7502, 0.2578,
0.3583

■ 95.0818, 0.2998,
0.3340

■ 79.7576, 0.2509,
0.3652

99.9058, 0.3125,
0.3291

■ 78.2302, 0.2460,
0.3723

99.9943, 0.3127,
0.3290

 77.1242, 0.2430,
0.3795

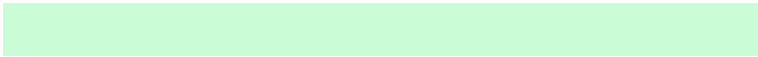
 76.3874, 0.2421,
0.3866

 75.9400, 0.2427,
0.3936

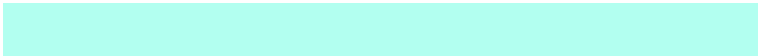
Harmonies

Analogous

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



87.2762, 0.3031, 0.3703



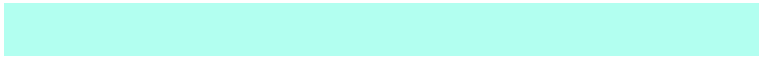
87.2762, 0.2764, 0.3453



87.2762, 0.2597, 0.3165

Triad

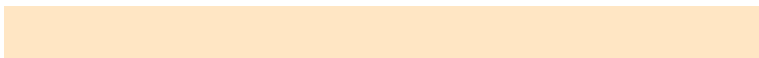
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.2762, 0.2764, 0.3453



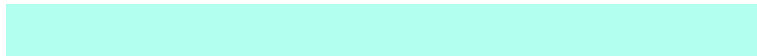
87.2762, 0.2904, 0.2808



87.2762, 0.3721, 0.3613

Complementary

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



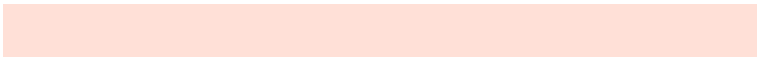
87.2762, 0.2764, 0.3453



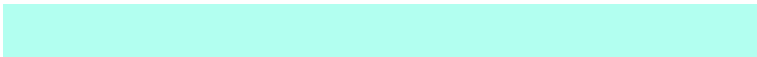
56.9775, 0.3676, 0.3135

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.



87.2762, 0.3687, 0.3372



87.2762, 0.2764, 0.3453



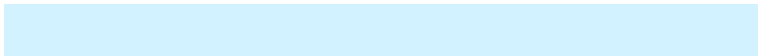
87.2762, 0.3203, 0.2923

Square

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



87.2762, 0.2764, 0.3453



87.2762, 0.2675, 0.2807



87.2762, 0.3494, 0.3125



87.2762, 0.3588, 0.3784

Rectangle

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



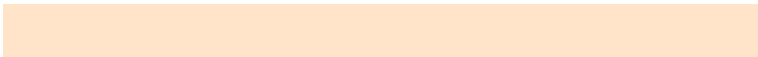
87.2762, 0.2764, 0.3453



87.2762, 0.2560, 0.2999



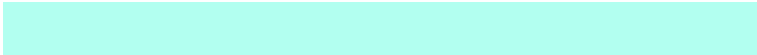
87.2762, 0.3494, 0.3125



87.2762, 0.3729, 0.3537

Sweetspot

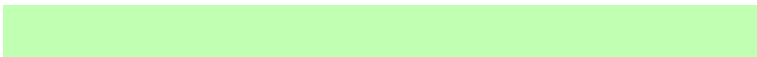
The Sweet Spot groups the original color and five complimentary colors.



87.2797, 0.2764, 0.3453



95.6198, 0.3012, 0.3334



86.1283, 0.3179, 0.4154



20.3253, 0.2994, 0.3342



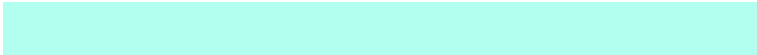
0.0000, 0.0000, 0.0000



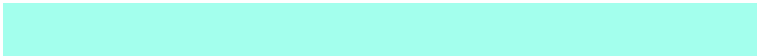
21.4041, 0.3127, 0.3290

Same Dimension

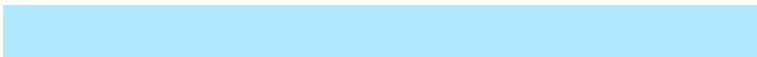
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.2797, 0.2764, 0.3453



85.4500, 0.2704, 0.3489



74.3570, 0.2662, 0.3033



20.4173, 0.3006, 0.3337



39.7049, 0.2423, 0.3924



3.8807, 0.2401, 0.3843

Inverse Universe

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



56.9775, 0.3676, 0.3135



50.8643, 0.3828, 0.3104



66.3158, 0.3739, 0.3532



18.0448, 0.3264, 0.3244



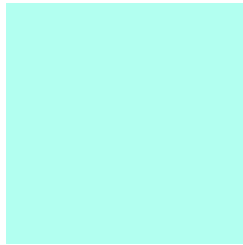
11.2438, 0.6094, 0.3131



1.1092, 0.5799, 0.2968

Previews

White Background



This preview shows how the Yxy color 87.2762, 0.2764, 0.3453 looks on a white background.

Color Contrast Check

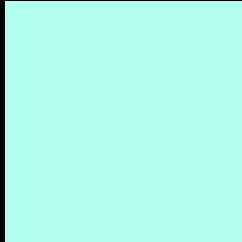
Large Text (above 18pt) WCAG AA × Fail

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 87.2762, 0.2764, 0.3453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

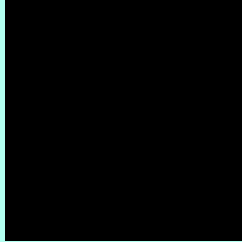
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.2762, 0.2764, 0.3453

Background



This preview shows how black text looks on a background with the Yxy color 87.2762, 0.2764, 0.3453.

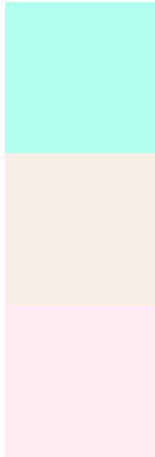


This preview shows how white text looks on a background with the Yxy color 87.2762, 0.2764, 0.3453.

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

87.2762, 0.2764, 0.3453

Protanopia

86.5114, 0.3224, 0.3360

Deuteranopia

86.6373, 0.3206, 0.3193



Tritanopia

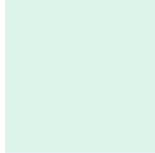
86.9719, 0.2884, 0.3186

Trichromacy



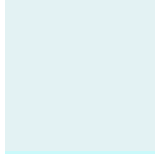
Original Color

87.2762, 0.2764, 0.3453



Protanomaly

86.0140, 0.3039, 0.3394



Deuteranomaly

86.3062, 0.3025, 0.3279



Tritanomaly

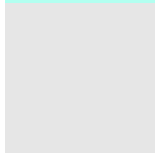
87.2100, 0.2838, 0.3279

Monochromacy



Original Color

87.2762, 0.2764, 0.3453



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.5224, 0.2976, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.2762, 0.2764, 0.3453 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(178, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(178, 255, 240)  
}
```

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(178, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 87.2762, 0.2764, 0.3453 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(178, 255, 240) }
```

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

```
.border{ border-color:rgb(178, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(178, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 87.2762, 0.2764, 0.3453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 255, 240) }
```

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

```
.background{ background-color: rgb(178,  
255, 240) }
```

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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