

Converting Colors

$Yxy(87.1326, 0.2745, 0.3436)$

Have a look what the booklet for
Yxy(87.1326, 0.2745, 0.3436)
contains.

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Color

Yxy(87.1609, 0.2744, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	B0FFF2
RGB	176, 255, 242
RGB Percent	69%, 100%, 95%
CMY	0.3095, 0.0001, 0.0509
CMYK	0.31, 0.00, 0.05, 0.00
HSL	170°, 100%, 85%
HSV	170°, 31%, 100%
XYZ	69.7084, 87.1609, 97.1701
YIQ	229.8970, -42.9110, -20.7910

Conversions

Conversions Part 2

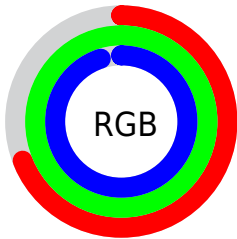
Format	Color
RYB	176, 219, 255
Decimal	11599858
CIELab	94.81, -26.71, -1.51
CIELCh	95, 26.751, 183.234
Yxy	87.1609, 0.2744, 0.3431
Android (android.graphics.Color)	4289789938 (0xFFB0FFF2)
YUV	229.8970, 5.9668, -47.2677
Hunter-Lab	93.3600, -30.1008, 3.6424

Details

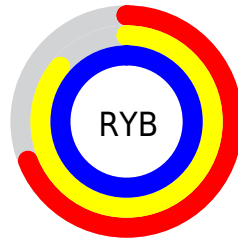
The Yxy color **87.1609, 0.2744, 0.3431** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **56.0197, 0.3717, 0.3156**, and the grayscale version is **79.0455, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **47.9264, 0.2657, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **84.2151, 0.2642, 0.3484**, and if you desaturate by 10%, it is **90.6778, 0.2859, 0.3381**.

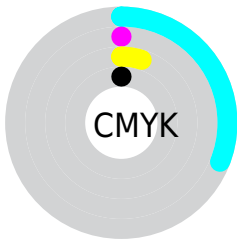
Distribution



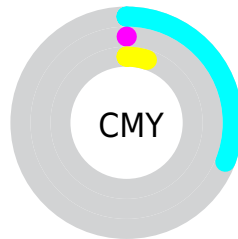
- Red (69%)
- Green (100%)
- Blue (95%)



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



- Cyan (31%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (31%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.1609, 0.2744, 0.3431 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 87.1609, 0.2744, 0.3431 by changing the saturation by 10% instead.


 87.1609, 0.2744,
0.3431

 87.1609, 0.2744,
0.3431

518.7514, 0.2915,
0.3369

 65.6284, 0.2707,
0.3444

 143.3884, 0.2802,
0.3410

 47.9708, 0.2661,
0.3461


178.8521, 0.2825,
0.3402

 33.8037, 0.2604,
0.3481


219.7284, 0.2845,
0.3394

 22.7429, 0.2532,
0.3507

266.4016, 0.2862,
0.3388

 14.4038, 0.2437,
0.3540

319.2561, 0.2878,
0.3383

 8.4020, 0.2307,
0.3585


378.6763, 0.2891,


 4.3533, 0.2116,


0.3377


0.3649


445.0466, 0.2904,
0.3373

 1.8731, 0.1816,
0.3747


 0.5321, 0.0000,
0.4372


 87.1609, 0.2744,
0.3431


 87.1609, 0.2744,
0.3431


 84.2151, 0.2642,
0.3484


 90.6778, 0.2859,
0.3381


 81.7986, 0.2554,
0.3540

 94.7842, 0.2983,
0.3336

 79.8804, 0.2485,
0.3598

 99.5105, 0.3115,
0.3294

 78.4219, 0.2435,
0.3657

 99.9918, 0.3127,
0.3290

■ 77.3790, 0.2405,
0.3717

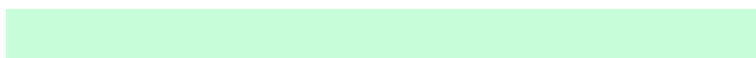
■ 76.6987, 0.2394,
0.3776

■ 76.3202, 0.2397,
0.3829

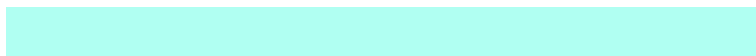
Harmonies

Analogous

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



87.1609, 0.3006, 0.3689



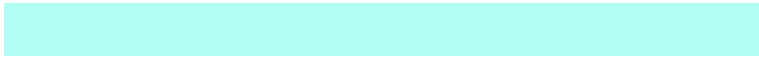
87.1609, 0.2744, 0.3431



87.1609, 0.2586, 0.3142

Triad

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



87.1609, 0.2744, 0.3431



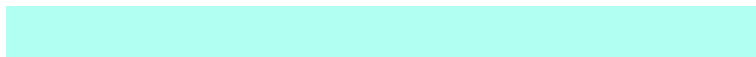
87.1609, 0.2924, 0.2810



87.1609, 0.3720, 0.3632

Complementary

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



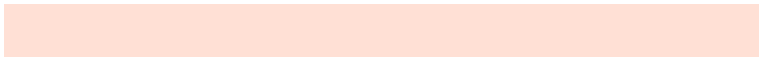
87.1609, 0.2744, 0.3431



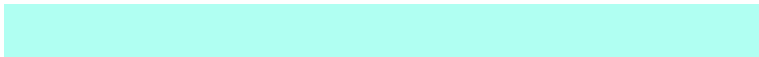
56.0197, 0.3717, 0.3156

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.



87.1609, 0.3700, 0.3393



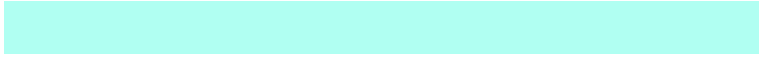
87.1609, 0.2744, 0.3431



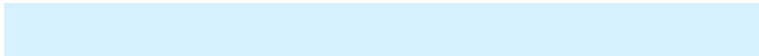
87.1609, 0.3228, 0.2934

Square

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



87.1609, 0.2744, 0.3431



87.1609, 0.2686, 0.2800



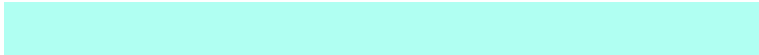
87.1609, 0.3516, 0.3142



87.1609, 0.3574, 0.3796

Rectangle

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



87.1609, 0.2744, 0.3431



87.1609, 0.2557, 0.2980



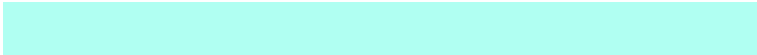
87.1609, 0.3516, 0.3142



87.1609, 0.3732, 0.3557

Sweetspot

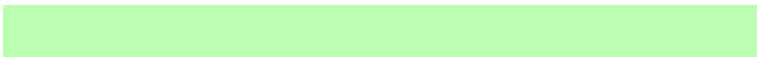
The Sweet Spot groups the original color and five complimentary colors.



87.1644, 0.2744, 0.3431



95.6636, 0.3009, 0.3327



85.4993, 0.3163, 0.4184



20.3362, 0.2990, 0.3333



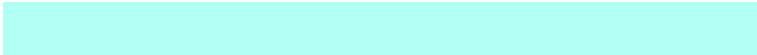
0.0000, 0.0000, 0.0000



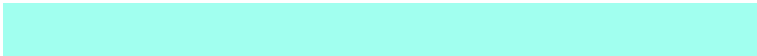
21.4041, 0.3127, 0.3290

Same Dimension

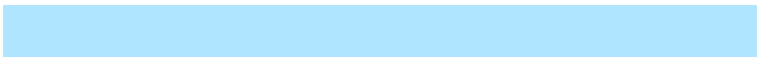
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.1644, 0.2744, 0.3431



85.3221, 0.2680, 0.3463



72.3257, 0.2647, 0.2996



20.4272, 0.3002, 0.3329



39.9026, 0.2394, 0.3819



3.8982, 0.2376, 0.3752

Inverse Universe

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



56.0197, 0.3717, 0.3156



49.7683, 0.3884, 0.3129



66.8193, 0.3750, 0.3565



18.0358, 0.3268, 0.3251



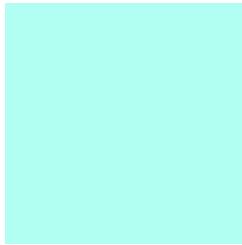
11.2100, 0.6167, 0.3171



1.1046, 0.5888, 0.3017

Previews

White Background



This preview shows how the Yxy color 87.1609, 0.2744, 0.3431 looks on a white background.

Color Contrast Check

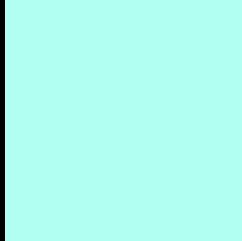
Large Text (above 18pt) WCAG AA × Fail

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 87.1609, 0.2744, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

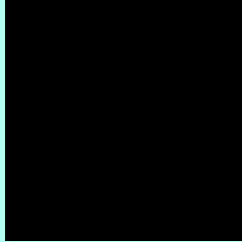
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

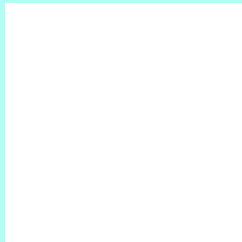
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.1609, 0.2744, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 87.1609, 0.2744, 0.3431.

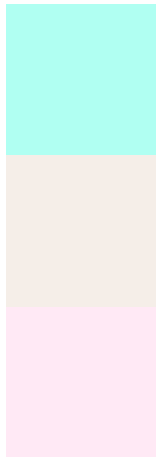


This preview shows how white text looks on a background with the Yxy color 87.1609, 0.2744, 0.3431.

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

87.1609, 0.2744, 0.3431

Protanopia

86.3877, 0.3211, 0.3350

Deuteranopia

86.1304, 0.3200, 0.3173



Tritanopia

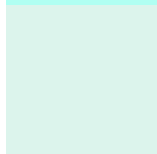
86.8210, 0.2878, 0.3186

Trichromacy



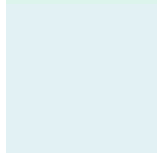
Original Color

87.1609, 0.2744, 0.3431



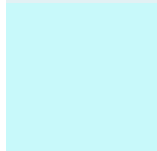
Protanomaly

85.9731, 0.3021, 0.3373



Deuteranomaly

85.6110, 0.3013, 0.3259



Tritanomaly

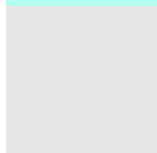
86.9329, 0.2827, 0.3279

Monochromacy



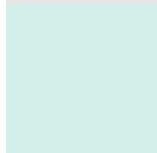
Original Color

87.1609, 0.2744, 0.3431



Achromatopsia

79.1298, 0.3127, 0.3290



Achromatomaly

81.3752, 0.2970, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1609, 0.2744, 0.3431 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(176, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(176, 255, 242)  
}
```

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(176, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 87.1609, 0.2744, 0.3431 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(176, 255, 242) }
```

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

```
.border{ border-color:rgb(176, 255, 242) }
```

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

Here you see how a box with a 4 pixel rgb(176, 255, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(176, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1609, 0.2744, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 255, 242) }
```

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

```
.background{ background-color: rgb(176,  
255, 242) }
```

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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