

Converting Colors

$Yxy(97.6583, 0.2657, 0.3671)$

Have a look what the booklet for
Yxy(97.6583, 0.2657, 0.3671)
contains.

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Color

Yxy(84.2008, 0.2625, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	95FFF0
RGB	149, 255, 240
RGB Percent	58%, 100%, 94%
CMY	0.4152, 0.0001, 0.0588
CMYK	0.42, 0.00, 0.06, 0.00
HSL	172°, 100%, 79%
HSV	172°, 42%, 100%
XYZ	63.8991, 84.2008, 95.3253
YIQ	221.5960, -58.3610, -27.1370

Conversions

Conversions Part 2

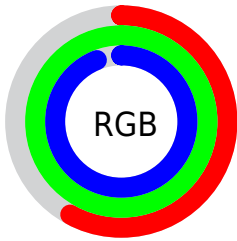
Format	Color
R_{YB}	149, 206, 255
Decimal	9830384
CIE _{Lab}	93.54, -34.13, -2.47
CIE _{LCh}	94, 34.219, 184.140
Yxy	84.2008, 0.2625, 0.3459
Android (android.graphics.Color)	4288020464 (0xFF95FFF0)
YUV	221.5960, 9.0732, -63.6667
Hunter-Lab	91.7610, -36.2806, 2.6396

Details

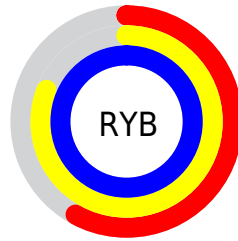
The Yxy color **84.2008, 0.2625, 0.3459** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **45.4754, 0.4048, 0.3135**, and the grayscale version is **72.7342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0054, 0.2844, 0.3289**, and **46.0730, 0.2517, 0.3498** is the 20% darker color. If you saturate the color by 10%, you get **81.8478, 0.2537, 0.3507**, and if you desaturate by 10%, it is **87.0899, 0.2729, 0.3414**.

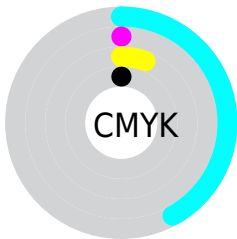
Distribution



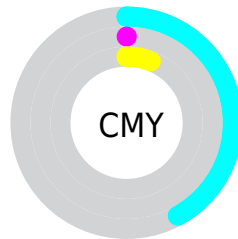
- Red (58%)
- Green (100%)
- Blue (94%)



- Red (58%)
- Yellow (81%)
- Blue (100%)



- Cyan (42%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)




- Cyan (42%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2008, 0.2625, 0.3459 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 84.2008, 0.2625, 0.3459 by changing the saturation by 10% instead.


 84.2008, 0.2625,
0.3459


 84.2008, 0.2625,
0.3459


508.9798, 0.2849,
0.3385

 63.1812, 0.2576,
0.3475


 139.2560, 0.2701,
0.3434

 45.9878, 0.2516,
0.3494


 174.0605, 0.2731,
0.3424

 32.2362, 0.2441,
0.3518


214.2287, 0.2758,
0.3416

 21.5420, 0.2346,
0.3548

260.1450, 0.2780,
0.3408

 13.5208, 0.2221,
0.3586

312.1939, 0.2801,
0.3401

 7.7881, 0.2050,
0.3637

370.7598, 0.2819,

 3.9597, 0.1802,

0.3395

0.3707

436.2269, 0.2835,
0.3390

1.6510, 0.1370,
0.3827

0.3916, 0.0000,
0.3953

84.2008, 0.2625,
0.3459

84.2008, 0.2625,
0.3459

81.8478, 0.2537,
0.3507

87.0899, 0.2729,
0.3414

79.9862, 0.2467,
0.3556

90.5365, 0.2846,
0.3371

78.5806, 0.2416,
0.3607

94.5730, 0.2972,
0.3331

77.5863, 0.2385,
0.3657

99.2264, 0.3106,
0.3295

■ 76.9498, 0.2373,
0.3708

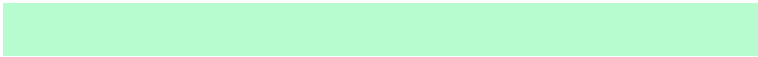
99.9914, 0.3127,
0.3290

■ 76.6207, 0.2375,
0.3750

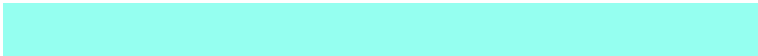
Harmonies

Analogous

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



84.2008, 0.2955, 0.3807



84.2008, 0.2625, 0.3459



84.2008, 0.2433, 0.3081

Triad

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



84.2008, 0.2625, 0.3459



84.2008, 0.2874, 0.2683



84.2008, 0.3891, 0.3729

Complementary

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



84.2008, 0.2625, 0.3459



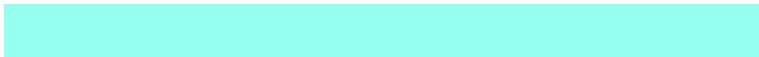
45.4754, 0.4048, 0.3135

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.



84.2008, 0.3875, 0.3423



84.2008, 0.2625, 0.3459



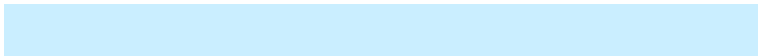
84.2008, 0.3267, 0.2844

Square

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



84.2008, 0.2625, 0.3459



84.2008, 0.2569, 0.2661



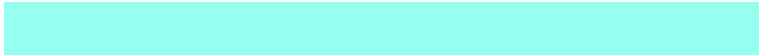
84.2008, 0.3641, 0.3107



84.2008, 0.3692, 0.3946

Rectangle

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



84.2008, 0.2625, 0.3459



84.2008, 0.2400, 0.2876



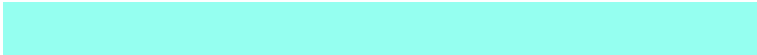
84.2008, 0.3641, 0.3107



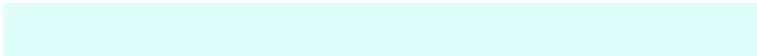
84.2008, 0.3911, 0.3633

Sweetspot

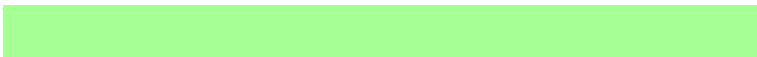
The Sweet Spot groups the original color and five complimentary colors.



84.2041, 0.2625, 0.3459



94.3755, 0.2966, 0.3333



81.6849, 0.3156, 0.4547



20.0808, 0.2949, 0.3338



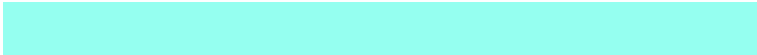
0.0000, 0.0000, 0.0000



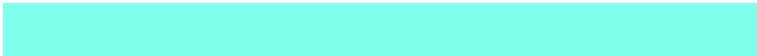
21.4041, 0.3127, 0.3290

Same Dimension

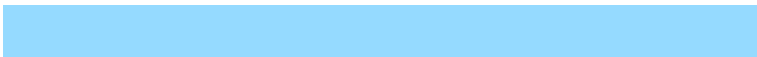
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2041, 0.2625, 0.3459



82.1824, 0.2549, 0.3499



63.7290, 0.2487, 0.2855



20.4346, 0.2999, 0.3324



40.0578, 0.2373, 0.3741



3.9119, 0.2357, 0.3684

Inverse Universe

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



45.4754, 0.4048, 0.3135



38.6294, 0.4348, 0.3108



58.6230, 0.4034, 0.3680



18.0289, 0.3272, 0.3257



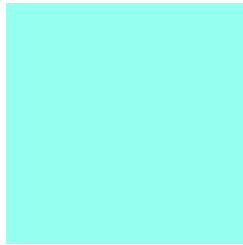
11.1882, 0.6215, 0.3198



1.1014, 0.5953, 0.3053

Previews

White Background



This preview shows how the Yxy color 84.2008, 0.2625, 0.3459 looks on a white background.

Color Contrast Check

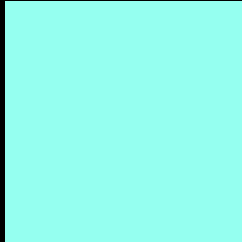
Large Text (above 18pt) WCAG AA × Fail

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 84.2008, 0.2625, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

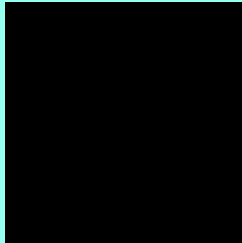
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2008, 0.2625, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 84.2008, 0.2625, 0.3459.

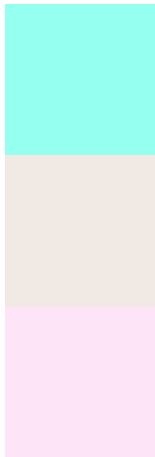


This preview shows how white text looks on a background with the Yxy color 84.2008, 0.2625, 0.3459.

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

84.2008, 0.2625, 0.3459

Protanopia

83.1478, 0.3213, 0.3351

Deuteranopia

83.0233, 0.3183, 0.3114



Tritanopia

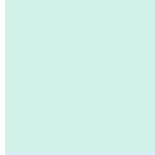
83.9271, 0.2786, 0.3173

Trichromacy



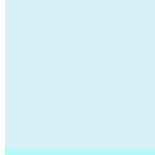
Original Color

84.2008, 0.2625, 0.3459



Protanomaly

82.7404, 0.2970, 0.3397



Deuteranomaly

82.1278, 0.2944, 0.3226



Tritanomaly

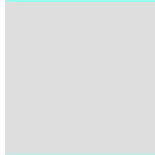
83.7402, 0.2717, 0.3267

Monochromacy



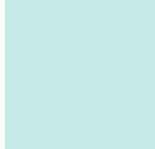
Original Color

84.2008, 0.2625, 0.3459



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.1049, 0.2904, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2008, 0.2625, 0.3459 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(149, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.2008, 0.2625, 0.3459 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(149, 255, 240) }
```

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

```
.border{ border-color:rgb(149, 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(149, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(149, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2008, 0.2625, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 255, 240) }
```

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

```
.background{ background-color: rgb(149,  
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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