

Converting Colors

$Yxy(84.0858, 0.2643, 0.3443)$

Have a look what the booklet for
Yxy(84.0858, 0.2643, 0.3443)
contains.

Yxy(84.0449, 0.2645, 0.3447)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(84.0449, 0.2645, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	9AFEF0
RGB	154, 254, 240
RGB Percent	60%, 100%, 94%
CMY	0.3963, 0.0039, 0.0587
CMYK	0.39, 0.00, 0.06, 0.00
HSL	172°, 98%, 80%
HSV	172°, 39%, 100%
XYZ	64.4905, 84.0449, 95.2850
YIQ	222.5040, -55.1060, -25.5540

Conversions

Conversions Part 2

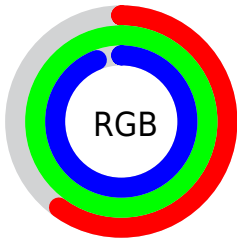
Format	Color
RYB	154, 208, 254
Decimal	10157808
CIELab	93.47, -32.49, -2.56
CIElCh	93, 32.592, 184.505
Yxy	84.0449, 0.2645, 0.3447
Android (android.graphics.Color)	4288347888 (0xFF9AFE0)
YUV	222.5040, 8.6255, -60.0780
Hunter-Lab	91.6760, -34.8652, 2.5491

Details

The Yxy color **84.0449, 0.2645, 0.3447** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **46.9874, 0.3981, 0.3145**, and the grayscale version is **73.3819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.9346, 0.2543, 0.3482** is the 20% darker color. If you saturate the color by 10%, you get **81.6064, 0.2553, 0.3494**, and if you desaturate by 10%, it is **87.0215, 0.2752, 0.3403**.

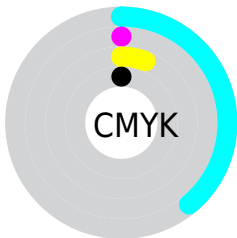
Distribution



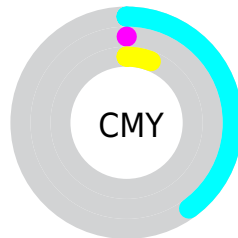
- Red (60%)
- Green (100%)
- Blue (94%)



- Red (60%)
- Yellow (82%)
- Blue (100%)



- Cyan (39%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (40%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.0449, 0.2645, 0.3447 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 84.0449, 0.2645, 0.3447 by changing the saturation by 10% instead.


 84.0449, 0.2645,
0.3447

 84.0449, 0.2645,
0.3447


508.4623, 0.2861,
0.3378

 63.0525, 0.2598,
0.3462


 139.0380, 0.2718,
0.3424

 45.8837, 0.2540,
0.3480


 173.8075, 0.2747,
0.3415

 32.1540, 0.2468,
0.3502


213.9381, 0.2772,
0.3407

 21.4792, 0.2377,
0.3529

259.8143, 0.2794,
0.3400

 13.4747, 0.2256,
0.3565

311.8204, 0.2814,
0.3393

 7.7562, 0.2091,
0.3612


370.3408, 0.2831,


 3.9394, 0.1851,


0.3388


0.3677

435.7600, 0.2847,
0.3383


 1.6397, 0.1441,
0.3784


 0.3842, 0.0000,
0.3914


 84.0449, 0.2645,
0.3447


 84.0449, 0.2645,
0.3447


 81.6064, 0.2553,
0.3494


 87.0215, 0.2752,
0.3403

 79.6623, 0.2479,
0.3542

 90.5567, 0.2871,
0.3361

 78.1785, 0.2424,
0.3592

 94.6821, 0.3000,
0.3323

 77.1123, 0.2389,
0.3642

99.3215, 0.3132,
0.3288

■ 76.4128, 0.2373,
0.3691

99.3713, 0.3128,
0.3281

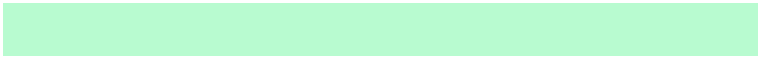
■ 76.0020, 0.2373,
0.3740

■ 75.9809, 0.2373,
0.3743

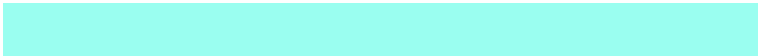
Harmonies

Analogous

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



84.0449, 0.2960, 0.3778



84.0449, 0.2645, 0.3447



84.0449, 0.2462, 0.3088

Triad

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



84.0449, 0.2645, 0.3447



84.0449, 0.2891, 0.2710



84.0449, 0.3854, 0.3714

Complementary

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



84.0449, 0.2645, 0.3447



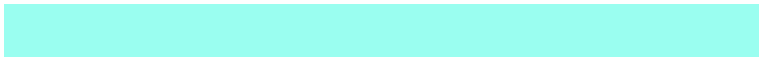
46.9874, 0.3981, 0.3145

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.



84.0449, 0.3841, 0.3423



84.0449, 0.2645, 0.3447



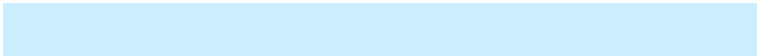
84.0449, 0.3266, 0.2866

Square

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



84.0449, 0.2645, 0.3447



84.0449, 0.2597, 0.2689



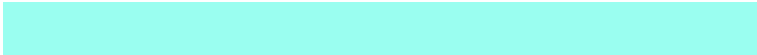
84.0449, 0.3620, 0.3119



84.0449, 0.3663, 0.3917

Rectangle

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



84.0449, 0.2645, 0.3447



84.0449, 0.2432, 0.2893



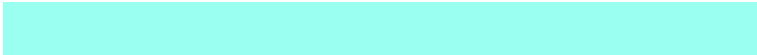
84.0449, 0.3620, 0.3119



84.0449, 0.3874, 0.3622

Sweetspot

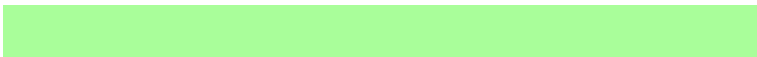
The Sweet Spot groups the original color and five complimentary colors.



84.0482, 0.2645, 0.3447



94.3790, 0.2966, 0.3333



81.6515, 0.3157, 0.4473



20.0816, 0.2949, 0.3337



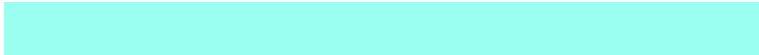
0.0000, 0.0000, 0.0000



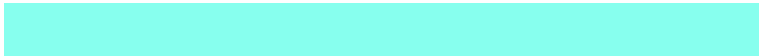
21.4041, 0.3127, 0.3290

Same Dimension

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



84.0482, 0.2645, 0.3447



82.8716, 0.2574, 0.3482



64.6758, 0.2518, 0.2881



20.4352, 0.2999, 0.3323



40.0704, 0.2371, 0.3735



3.9130, 0.2355, 0.3679

Inverse Universe

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



46.9874, 0.3981, 0.3145



40.8933, 0.4240, 0.3119



59.7833, 0.3973, 0.3660



18.0284, 0.3272, 0.3257



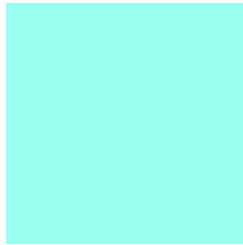
11.1866, 0.6219, 0.3200



1.1011, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 84.0449, 0.2645, 0.3447 looks on a white background.

Color Contrast Check

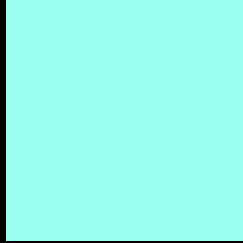
Large Text (above 18pt) WCAG AA × Fail

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 84.0449, 0.2645, 0.3447 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

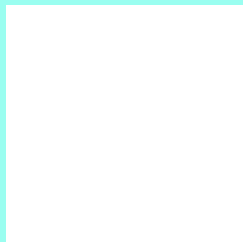
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.0449, 0.2645, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 84.0449, 0.2645, 0.3447.

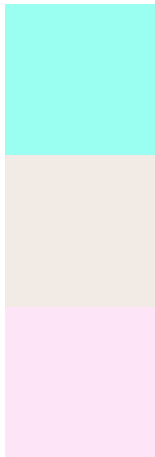


This preview shows how white text looks on a background with the Yxy color 84.0449, 0.2645, 0.3447.

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

84.0449, 0.2645, 0.3447

Protanopia

83.2036, 0.3206, 0.3341

Deuteranopia

83.0233, 0.3183, 0.3114



Tritanopia

83.3270, 0.2785, 0.3162

Trichromacy



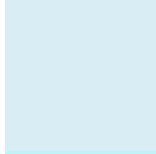
Original Color

84.0449, 0.2645, 0.3447



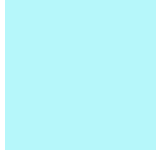
Protanomaly

82.3491, 0.2970, 0.3375



Deuteranomaly

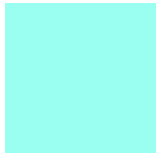
81.8517, 0.2956, 0.3216



Tritanomaly

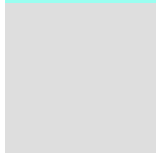
83.3687, 0.2727, 0.3256

Monochromacy



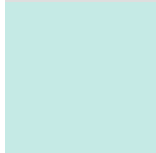
Original Color

84.0449, 0.2645, 0.3447



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.3731, 0.2917, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.0449, 0.2645, 0.3447 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(154, 254, 240)` looks like.

```
.text, #text, p{  
    color:rgb(154, 254, 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(154, 254, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 254, 240) }
```

Border

The CSS property to change the border of an element to Yxy 84.0449, 0.2645, 0.3447 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(154, 254, 240) }
```

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

```
.border{ border-color:rgb(154, 254, 240) }
```

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

Here you see how a box with a 4 pixel rgb(154, 254, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 254, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 254, 240);  
box-shadow:4px 4px 4px 4px rgb(154, 254,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 84.0449, 0.2645, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 254, 240) }
```

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

```
.background{ background-color: rgb(154,  
254, 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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