

Converting Colors

$Yxy(84.1794, 0.2571, 0.3265)$

Have a look what the booklet for
Yxy(84.1794, 0.2571, 0.3265)
contains.

Yxy(84.2429, 0.2571, 0.3266)	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(84.2429, 0.2571, 0.3266)

Conversions

Conversions Part 1

Format	Color
Hex	99FDFF
RGB	153, 253, 255
RGB Percent	60%, 99%, 100%
CMY	0.3999, 0.0078, 0.0000
CMYK	0.40, 0.01, 0.00, 0.00
HSL	181°, 100%, 80%
HSV	181°, 40%, 100%
XYZ	66.3161, 84.2429, 107.3800
YIQ	223.3280, -60.2420, -20.5780

Conversions

Conversions Part 2

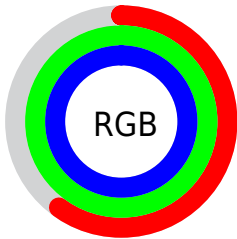
Format	Color
RYB	153, 203, 255
Decimal	10092031
CIELab	93.56, -28.75, -10.19
CIELCh	94, 30.505, 199.506
Yxy	84.2429, 0.2571, 0.3266
Android (android.graphics.Color)	4288282111 (0xFF99FDFF)
YUV	223.3280, 15.6143, -61.6777
Hunter-Lab	91.7839, -31.6513, -5.1159

Details

The Yxy color **84.2429, 0.2571, 0.3266** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.0117, 0.4139, 0.3314**, and the grayscale version is **73.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **45.9900, 0.2456, 0.3259** is the 20% darker color. If you saturate the color by 10%, you get **81.7080, 0.2467, 0.3260**, and if you desaturate by 10%, it is **87.3142, 0.2692, 0.3273**.

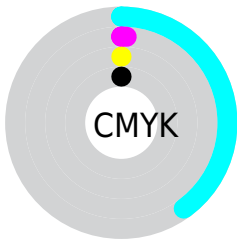
Distribution



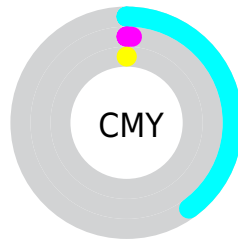
- Red (60%)
- Green (99%)
- Blue (100%)



- Red (60%)
- Yellow (80%)
- Blue (100%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (40%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2429, 0.2571, 0.3266 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 84.2429, 0.2571, 0.3266 by changing the saturation by 10% instead.


 84.2429, 0.2571,
0.3266


 84.2429, 0.2571,
0.3266


509.1195, 0.2817,
0.3282

 63.2160, 0.2517,
0.3261


 139.3149, 0.2654,
0.3273

 46.0160, 0.2453,
0.3255


 174.1288, 0.2687,
0.3275

 32.2584, 0.2372,
0.3246


214.3071, 0.2716,
0.3277

 21.5590, 0.2271,
0.3233

260.2343, 0.2741,
0.3278

 13.5332, 0.2139,
0.3214

312.2948, 0.2763,
0.3279

 7.7967, 0.1960,
0.3182


370.8729, 0.2783,


 3.9652, 0.1707,


0.3281


436.3530, 0.2801,
0.3281


0.3126


 1.6541, 0.1320,
0.3013

 0.3937, 0.0000,
0.2547


 84.2429, 0.2571,
0.3266


 84.2429, 0.2571,
0.3266


 81.7080, 0.2467,
0.3260


 87.3142, 0.2692,
0.3273

 79.6673, 0.2382,
0.3253


 90.9448, 0.2827,
0.3279


 78.0855, 0.2317,
0.3246


 95.1662, 0.2973,
0.3285

 76.9190, 0.2271,
0.3239

100.0000, 0.3127,
0.3290

 76.1160, 0.2243,
0.3233

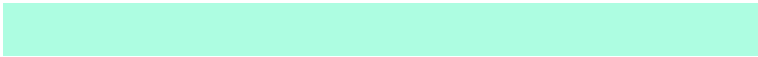
 75.5915, 0.2230,
0.3227

 75.5911, 0.2230,
0.3227

Harmonies

Analogous

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



84.2429, 0.2812, 0.3602



84.2429, 0.2571, 0.3266



84.2429, 0.2475, 0.2961

Triad

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



84.2429, 0.2571, 0.3266



84.2429, 0.3078, 0.2804



84.2429, 0.3739, 0.3799

Complementary

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



84.2429, 0.2571, 0.3266



47.0117, 0.4139, 0.3314

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.



84.2429, 0.3826, 0.3559



84.2429, 0.2571, 0.3266



84.2429, 0.3432, 0.3002

Square

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



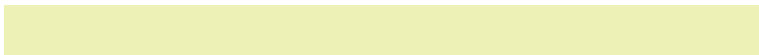
84.2429, 0.2571, 0.3266



84.2429, 0.2754, 0.2718



84.2429, 0.3713, 0.3271



84.2429, 0.3486, 0.3916

Rectangle

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



84.2429, 0.2571, 0.3266



84.2429, 0.2501, 0.2818



84.2429, 0.3713, 0.3271



84.2429, 0.3790, 0.3728

Sweetspot

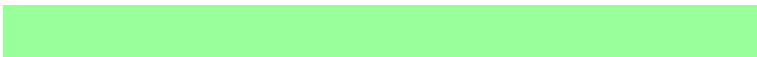
The Sweet Spot groups the original color and five complimentary colors.



84.2456, 0.2571, 0.3266



94.2690, 0.2943, 0.3283



80.6521, 0.3061, 0.4505



20.0555, 0.2923, 0.3283



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.



84.2456, 0.2571, 0.3266



82.1722, 0.2486, 0.3261



56.3828, 0.2477, 0.2666



20.4167, 0.2980, 0.3285



39.5257, 0.2230, 0.3228



3.8672, 0.2232, 0.3235

Inverse Universe

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



51.1426, 0.3190, 0.2318



44.9921, 0.3202, 0.2143



67.5649, 0.3918, 0.3836



18.2939, 0.3141, 0.3060



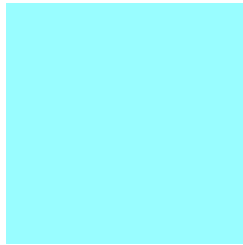
14.7181, 0.3259, 0.1569



1.4349, 0.3253, 0.1566

Previews

White Background



This preview shows how the Yxy color 84.2429, 0.2571, 0.3266 looks on a white background.

Color Contrast Check

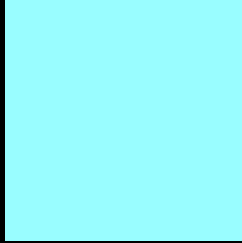
Large Text (above 18pt) WCAG AA × Fail

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 84.2429, 0.2571, 0.3266 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 84.2429, 0.2571, 0.3266

Background



This preview shows how black text looks on a background with the Yxy color 84.2429, 0.2571, 0.3266.

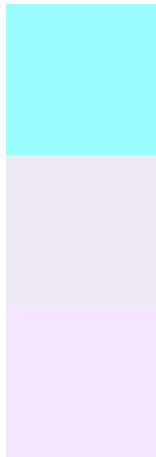


This preview shows how white text looks on a background with the Yxy color 84.2429, 0.2571, 0.3266.

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

84.2429, 0.2571, 0.3266

Protanopia

83.3212, 0.3091, 0.3199

Deuteranopia

83.0467, 0.3065, 0.3043



Tritanopia

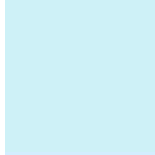
83.9271, 0.2786, 0.3173

Trichromacy



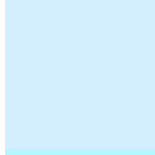
Original Color

84.2429, 0.2571, 0.3266



Protanomaly

82.7478, 0.2873, 0.3226



Deuteranomaly

82.2180, 0.2857, 0.3112



Tritanomaly

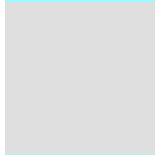
83.6866, 0.2702, 0.3202

Monochromacy



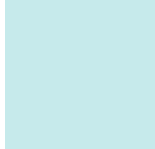
Original Color

84.2429, 0.2571, 0.3266



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.8496, 0.2888, 0.3278

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2429, 0.2571, 0.3266 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(153, 253, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 253, 255)  
}
```

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(153, 253, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 253, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.2429, 0.2571, 0.3266 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(153, 253, 255) }
```

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

```
.border{ border-color:rgb(153, 253, 255) }
```

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

Here you see how a box with a 4 pixel rgb(153, 253, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 253, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 253, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 253,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2429, 0.2571, 0.3266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 253, 255) }
```

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

```
.background{ background-color: rgb(153,  
253, 255) }
```

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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