

Converting Colors

$Yxy(87.2843, 0.2352, 0.2619)$

Have a look what the booklet for
Yxy(87.2843, 0.2352, 0.2619)
contains.

Yxy(82.6527, 0.2605, 0.3222)	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(82.6527, 0.2605, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	A2F9FF
RGB	162, 249, 255
RGB Percent	64%, 98%, 100%
CMY	0.3647, 0.0235, 0.0000
CMYK	0.36, 0.02, 0.00, 0.00
HSL	184°, 100%, 82%
HSV	184°, 36%, 100%
XYZ	66.8250, 82.6527, 107.0483
YIQ	223.6710, -53.7780, -16.5780

Conversions

Conversions Part 2

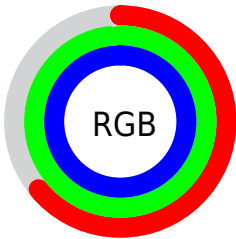
Format	Color
R_{YB}	162, 207, 255
Decimal	10680831
CIE _{Lab}	92.86, -24.63, -11.18
CIE _{LCh}	93, 27.050, 204.406
Yxy	82.6527, 0.2605, 0.3222
Android (android.graphics.Color)	4288870911 (0xFFA2F9FF)
YUV	223.6710, 15.4452, -54.0855
Hunter-Lab	90.9135, -27.8941, -6.1730

Details

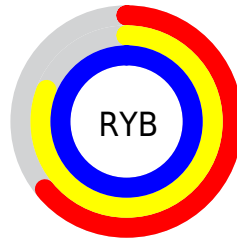
The Yxy color **82.6527, 0.2605, 0.3222** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **51.8673, 0.3996, 0.3356**, and the grayscale version is **74.2102, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **44.7797, 0.2493, 0.3201** is the 20% darker color. If you saturate the color by 10%, you get **79.2387, 0.2491, 0.3201**, and if you desaturate by 10%, it is **86.6219, 0.2734, 0.3242**.

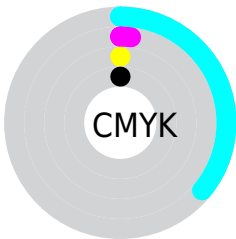
Distribution



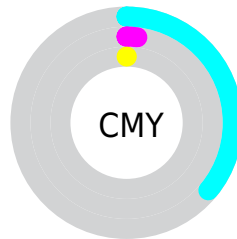
- Red (64%)
- Green (98%)
- Blue (100%)



- Red (64%)
- Yellow (81%)
- Blue (100%)



- Cyan (36%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (36%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6527, 0.2605, 0.3222 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 82.6527, 0.2605, 0.3222 by changing the saturation by 10% instead.


 82.6527, 0.2605,
0.3222

 82.6527, 0.2605,
0.3222


503.8283, 0.2837,
0.3258

 61.9037, 0.2554,
0.3213


 137.0889, 0.2684,
0.3235

 44.9549, 0.2493,
0.3201


 171.5449, 0.2715,
0.3240

 31.4219, 0.2417,
0.3186


211.3387, 0.2742,
0.3244

 20.9203, 0.2320,
0.3165

256.8547, 0.2765,
0.3248

 13.0658, 0.2194,
0.3135

308.4773, 0.2786,
0.3251

 7.4739, 0.2022,
0.3090

366.5908, 0.2805,

 3.7602, 0.1777,

0.3253

0.3013

431.5797, 0.2822,
0.3256

■ 1.5403, 0.1400,
0.2867

■ 0.3169, 0.0000,
0.2181

■ 82.6527, 0.2605,
0.3222

■ 82.6527, 0.2605,
0.3222

■ 79.2387, 0.2491,
0.3201

■ 86.6219, 0.2734,
0.3242

■ 76.3395, 0.2393,
0.3179

■ 91.1692, 0.2876,
0.3262

■ 73.9212, 0.2315,
0.3157

■ 96.3248, 0.3026,
0.3279

■ 71.9422, 0.2257,
0.3135

100.0000, 0.3127,
0.3290

■ 70.3541, 0.2217,
0.3113

■ 69.0963, 0.2195,
0.3091

■ 68.6993, 0.2190,
0.3084

Harmonies

Analogous

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



82.6527, 0.2803, 0.3522



82.6527, 0.2605, 0.3222



82.6527, 0.2541, 0.2962

Triad

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



82.6527, 0.2605, 0.3222



82.6527, 0.3136, 0.2876



82.6527, 0.3646, 0.3772

Complementary

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



82.6527, 0.2605, 0.3222



51.8673, 0.3996, 0.3356

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.



82.6527, 0.3750, 0.3573



82.6527, 0.2605, 0.3222



82.6527, 0.3448, 0.3068

Square

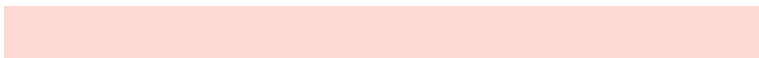
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6527, 0.2605, 0.3222



82.6527, 0.2836, 0.2781



82.6527, 0.3677, 0.3318



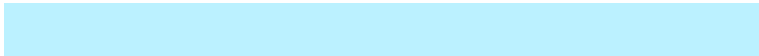
82.6527, 0.3403, 0.3849

Rectangle

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



82.6527, 0.2605, 0.3222



82.6527, 0.2580, 0.2845



82.6527, 0.3677, 0.3318



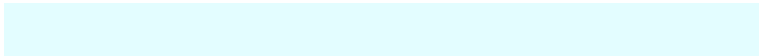
82.6527, 0.3699, 0.3716

Sweetspot

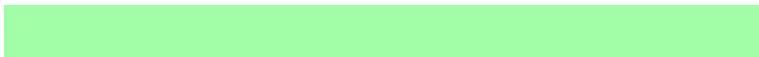
The Sweet Spot groups the original color and five complimentary colors.



82.6552, 0.2605, 0.3222



93.9148, 0.2957, 0.3271



81.9769, 0.3052, 0.4343



19.9524, 0.2937, 0.3269



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.



82.6552, 0.2605, 0.3222



80.0347, 0.2517, 0.3206



58.0118, 0.2530, 0.2693



20.2691, 0.2980, 0.3274



35.9826, 0.2191, 0.3087



3.5616, 0.2198, 0.3112

Inverse Universe

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



53.9367, 0.3217, 0.2435



47.6079, 0.3239, 0.2269



71.5297, 0.3822, 0.3818



18.2790, 0.3148, 0.3071



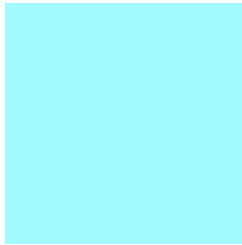
14.3604, 0.3378, 0.1635



1.4041, 0.3357, 0.1623

Previews

White Background



This preview shows how the Yxy color 82.6527, 0.2605, 0.3222 looks on a white background.

Color Contrast Check

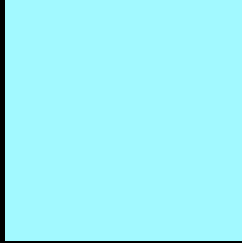
Large Text (above 18pt) WCAG AA × Fail

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 82.6527, 0.2605, 0.3222 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 82.6527, 0.2605, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 82.6527, 0.2605, 0.3222.

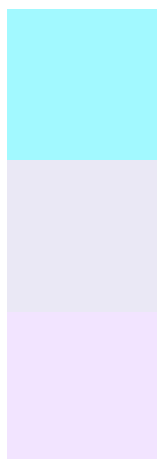


This preview shows how white text looks on a background with the Yxy color 82.6527, 0.2605, 0.3222.

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

82.6527, 0.2605, 0.3222

Protanopia

81.7982, 0.3060, 0.3157

Deuteranopia

81.5841, 0.3052, 0.3022



Tritanopia

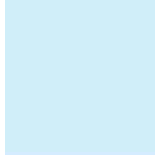
82.1936, 0.2761, 0.3150

Trichromacy



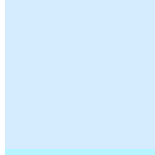
Original Color

82.6527, 0.2605, 0.3222



Protanomaly

81.3985, 0.2872, 0.3173



Deuteranomaly

81.3570, 0.2868, 0.3091



Tritanomaly

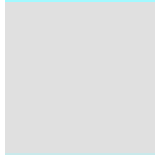
82.4699, 0.2699, 0.3180

Monochromacy



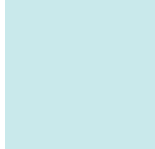
Original Color

82.6527, 0.2605, 0.3222



Achromatopsia

74.5404, 0.3127, 0.3290



Achromatomaly

76.6935, 0.2907, 0.3267

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6527, 0.2605, 0.3222 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(162, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 249, 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(162, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6527, 0.2605, 0.3222 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(162, 249, 255) }
```

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

```
.border{ border-color:rgb(162, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(162, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(162, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6527, 0.2605, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 249, 255) }
```

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

```
.background{ background-color: rgb(162,  
249, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor