

Converting Colors

$Yxy(81.8514, 0.2608, 0.3205)$

Have a look what the booklet for
Yxy(81.8514, 0.2608, 0.3205)
contains.

Yxy(82.1413, 0.2608, 0.3211)	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(82.1413, 0.2608, 0.3211)

Conversions

Conversions Part 1

Format	Color
Hex	A3F8FF
RGB	163, 248, 255
RGB Percent	64%, 97%, 100%
CMY	0.3610, 0.0274, 0.0000
CMYK	0.36, 0.03, 0.00, 0.00
HSL	185°, 100%, 82%
HSV	185°, 36%, 100%
XYZ	66.7158, 82.1413, 106.9551
YIQ	223.3830, -52.9070, -15.8430

Conversions

Conversions Part 2

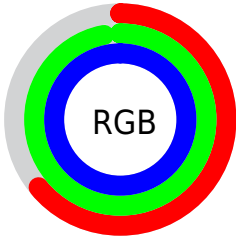
Format	Color
R_{YB}	163, 207, 255
Decimal	10746111
CIE _{Lab}	92.64, -23.91, -11.51
CIE _{LCh}	93, 26.531, 205.704
Yxy	82.1413, 0.2608, 0.3211
Android (android.graphics.Color)	4288936191 (0xFFA3F8FF)
YUV	223.3830, 15.5872, -52.9559
Hunter-Lab	90.6318, -27.2085, -6.5261

Details

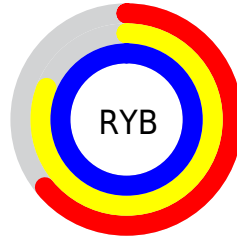
The Yxy color **82.1413, 0.2608, 0.3211** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.6319, 0.3979, 0.3366**, and the grayscale version is **73.9883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **44.4030, 0.2495, 0.3187** is the 20% darker color. If you saturate the color by 10%, you get **78.5343, 0.2492, 0.3186**, and if you desaturate by 10%, it is **86.3081, 0.2739, 0.3235**.

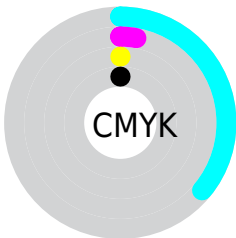
Distribution



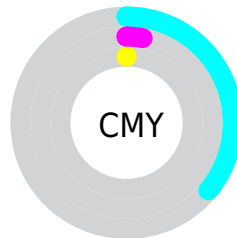
- Red (64%)
- Green (97%)
- Blue (100%)



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



- Cyan (36%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (36%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1413, 0.2608, 0.3211 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 82.1413, 0.2608, 0.3211 by changing the saturation by 10% instead.

 82.1413, 0.2608,
0.3211


 82.1413, 0.2608,
0.3211


502.1202, 0.2839,
0.3252

 61.4820, 0.2557,
0.3201


 136.3721, 0.2686,
0.3226

 44.6143, 0.2496,
0.3188


 170.7125, 0.2717,
0.3231

 31.1537, 0.2420,
0.3171


210.3819, 0.2744,
0.3236

 20.7159, 0.2324,
0.3148

255.7650, 0.2768,
0.3240

 12.9165, 0.2198,
0.3115

307.2459, 0.2789,
0.3244

 7.3711, 0.2026,
0.3065

365.2091, 0.2807,

 3.6952, 0.1781,

0.3247

0.2982

430.0391, 0.2824,
0.3249

■ 1.5046, 0.1402,
0.2827

■ 0.2920, 0.0000,
0.2051

■ 82.1413, 0.2608,
0.3211

■ 82.1413, 0.2608,
0.3211

■ 78.5343, 0.2492,
0.3186

■ 86.3081, 0.2739,
0.3235

■ 75.4470, 0.2393,
0.3160

■ 91.0574, 0.2881,
0.3257

■ 72.8453, 0.2312,
0.3134

■ 96.4197, 0.3032,
0.3278

■ 70.6880, 0.2251,
0.3108

100.0000, 0.3127,
0.3290

■ 68.9271, 0.2210,
0.3082

■ 67.5025, 0.2186,
0.3056

■ 67.0028, 0.2180,
0.3046

Harmonies

Analogous

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



82.1413, 0.2798, 0.3505



82.1413, 0.2608, 0.3211



82.1413, 0.2551, 0.2959

Triad

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



82.1413, 0.2608, 0.3211



82.1413, 0.3150, 0.2889



82.1413, 0.3630, 0.3770

Complementary

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



82.1413, 0.2608, 0.3211



52.6319, 0.3979, 0.3366

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.



82.1413, 0.3738, 0.3579



82.1413, 0.2608, 0.3211



82.1413, 0.3454, 0.3082

Square

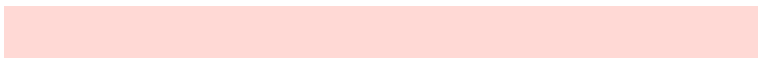
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1413, 0.2608, 0.3211



82.1413, 0.2853, 0.2791



82.1413, 0.3674, 0.3329



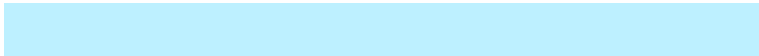
82.1413, 0.3386, 0.3839

Rectangle

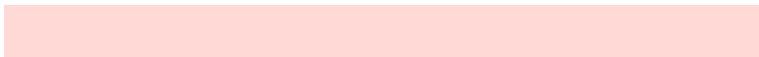
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1413, 0.2608, 0.3211



82.1413, 0.2594, 0.2847



82.1413, 0.3674, 0.3329



82.1413, 0.3684, 0.3717

Sweetspot

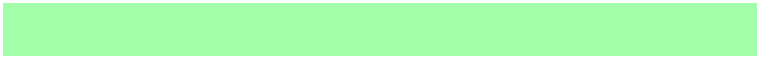
The Sweet Spot groups the original color and five complimentary colors.



82.1438, 0.2608, 0.3211



93.7114, 0.2957, 0.3268



82.1701, 0.3045, 0.4312



19.9036, 0.2937, 0.3265



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.



82.1438, 0.2608, 0.3211



79.5942, 0.2526, 0.3194



57.6394, 0.2534, 0.2681



20.2314, 0.2980, 0.3271



35.1098, 0.2181, 0.3050



3.4860, 0.2189, 0.3080

Inverse Universe

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



54.2171, 0.3225, 0.2453



48.3132, 0.3247, 0.2301



72.5621, 0.3807, 0.3828



18.2752, 0.3150, 0.3073



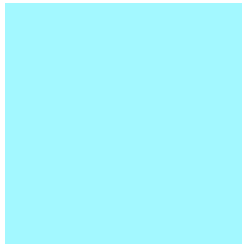
14.2723, 0.3410, 0.1652



1.3965, 0.3385, 0.1638

Previews

White Background



This preview shows how the Yxy color 82.1413, 0.2608, 0.3211 looks on a white background.

Color Contrast Check

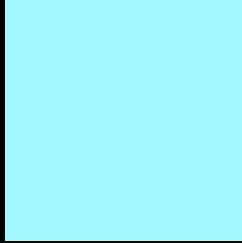
Large Text (above 18pt) WCAG AA × Fail

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 82.1413, 0.2608, 0.3211 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

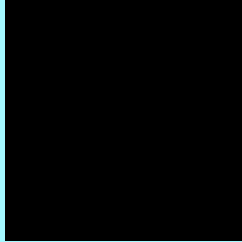
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1413, 0.2608, 0.3211

Background



This preview shows how black text looks on a background with the Yxy color 82.1413, 0.2608, 0.3211.

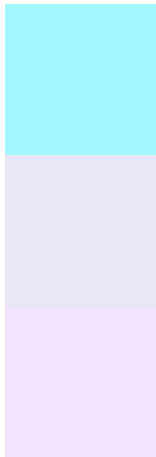


This preview shows how white text looks on a background with the Yxy color 82.1413, 0.2608, 0.3211.

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

82.1413, 0.2608, 0.3211

Protanopia

81.0680, 0.3053, 0.3147

Deuteranopia

81.4076, 0.3046, 0.3021



Tritanopia

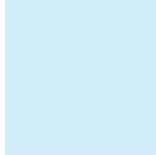
82.0617, 0.2756, 0.3150

Trichromacy



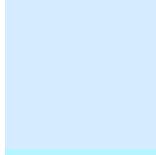
Original Color

82.1413, 0.2608, 0.3211



Protanomaly

80.8178, 0.2872, 0.3162



Deuteranomaly

80.7828, 0.2868, 0.3081



Tritanomaly

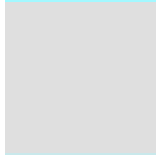
81.8665, 0.2698, 0.3169

Monochromacy



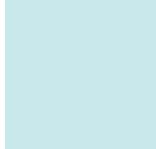
Original Color

82.1413, 0.2608, 0.3211



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

76.1289, 0.2906, 0.3256

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1413, 0.2608, 0.3211 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(163, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(163, 248, 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(163, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.1413, 0.2608, 0.3211 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(163, 248, 255) }
```

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

```
.border{ border-color:rgb(163, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(163, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1413, 0.2608, 0.3211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 248, 255) }
```

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

```
.background{ background-color: rgb(163,  
248, 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