

Converting Colors

$Y_{xy}(116.1430, 0.2526, 0.3310)$

Have a look what the booklet for
Yxy(116.1430, 0.2526, 0.3310)
contains.

Yxy(86.3171, 0.2610, 0.3288)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.3171, 0.2610, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	A1FFFF
RGB	161, 255, 255
RGB Percent	63%, 100%, 100%
CMY	0.3685, 0.0000, 0.0000
CMYK	0.37, 0.00, 0.00, 0.00
HSL	180°, 100%, 82%
HSV	180°, 37%, 100%
XYZ	68.5181, 86.3171, 107.6864
YIQ	226.8940, -56.0240, -19.9280

Conversions

Conversions Part 2

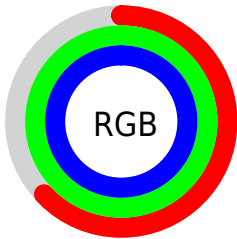
Format	Color
R_{YB}	161, 208, 255
Decimal	10616831
CIE _{Lab}	94.45, -27.74, -8.84
CIE _{LCh}	94, 29.117, 197.669
Yxy	86.3171, 0.2610, 0.3288
Android (android.graphics.Color)	4288806911 (0xFFFA1FFFF)
YUV	226.8940, 13.8563, -57.7890
Hunter-Lab	92.9070, -30.9450, -3.6868

Details

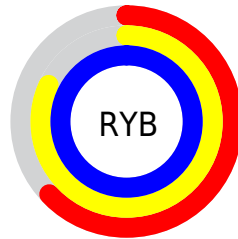
The Yxy color **86.3171, 0.2610, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **49.3411, 0.4033, 0.3293**, and the grayscale version is **76.6696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **47.4084, 0.2504, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **83.9318, 0.2503, 0.3288**, and if you desaturate by 10%, it is **89.2448, 0.2734, 0.3289**.

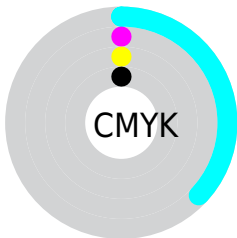
Distribution



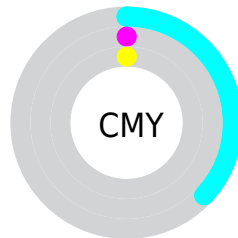
- Red (63%)
- Green (100%)
- Blue (100%)



- Red (63%)
- Yellow (82%)
- Blue (100%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (37%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.3171, 0.2610, 0.3288 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 86.3171, 0.2610, 0.3288 by changing the saturation by 10% instead.

 86.3171, 0.2610,
0.3288

 86.3171, 0.2610,
0.3288


515.9762, 0.2838,
0.3293

 64.9302, 0.2560,
0.3286


 142.2119, 0.2687,
0.3291

 47.4045, 0.2500,
0.3283


 177.4886, 0.2718,
0.3291

 33.3555, 0.2426,
0.3278


218.1641, 0.2744,
0.3292

 22.3990, 0.2332,
0.3271

264.6227, 0.2768,
0.3293

 14.1503, 0.2210,
0.3259

317.2488, 0.2788,
0.3293

 8.2253, 0.2045,
0.3240


376.4268, 0.2807,


 4.2395, 0.1810,


0.3293


0.3203


442.5412, 0.2823,
0.3293


 1.8084, 0.1455,
0.3122


 0.4924, 0.0000,
0.2968


 86.3171, 0.2610,
0.3288


 86.3171, 0.2610,
0.3288


 83.9318, 0.2503,
0.3288


 89.2448, 0.2734,
0.3289

 82.0526, 0.2414,
0.3288


 92.7419, 0.2872,
0.3289

 80.6440, 0.2345,
0.3288


 96.8374, 0.3021,
0.3290

 79.6642, 0.2295,
0.3287

100.0000, 0.3127,
0.3290

 79.0646, 0.2264,
0.3287

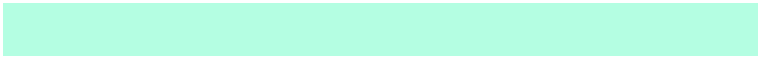
 78.7832, 0.2249,
0.3287

 78.7310, 0.2247,
0.3287

Harmonies

Analogous

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



86.3171, 0.2846, 0.3603



86.3171, 0.2610, 0.3288



86.3171, 0.2509, 0.2995

Triad

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



86.3171, 0.2610, 0.3288



86.3171, 0.3060, 0.2820



86.3171, 0.3717, 0.3762

Complementary

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



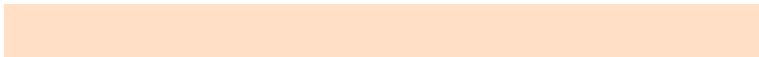
86.3171, 0.2610, 0.3288



49.3411, 0.4033, 0.3293

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.



86.3171, 0.3787, 0.3530



86.3171, 0.2610, 0.3288



86.3171, 0.3397, 0.3003

Square

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



86.3171, 0.2610, 0.3288



86.3171, 0.2758, 0.2746



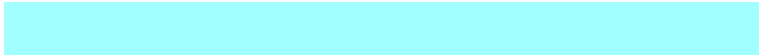
86.3171, 0.3669, 0.3257



86.3171, 0.3486, 0.3880

Rectangle

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



86.3171, 0.2610, 0.3288



86.3171, 0.2527, 0.2853



86.3171, 0.3669, 0.3257



86.3171, 0.3761, 0.3694

Sweetspot

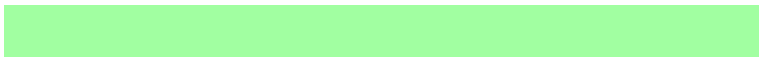
The Sweet Spot groups the original color and five complimentary colors.



86.3182, 0.2610, 0.3288



95.0618, 0.2958, 0.3289



81.6762, 0.3074, 0.4413



20.2280, 0.2937, 0.3289



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

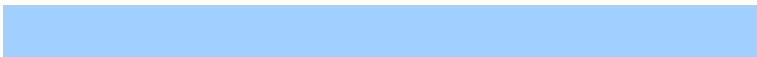
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.3182, 0.2610, 0.3288



84.5579, 0.2532, 0.3288



59.9236, 0.2532, 0.2743



20.4813, 0.2980, 0.3290



41.1387, 0.2247, 0.3287



4.0056, 0.2247, 0.3287

Inverse Universe

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



53.9843, 0.3170, 0.2376



48.0645, 0.3178, 0.2211



68.9568, 0.3848, 0.3778



18.3004, 0.3138, 0.3056



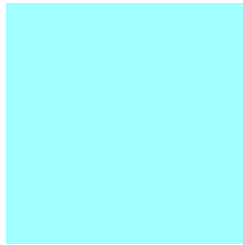
14.8809, 0.3209, 0.1542



1.4489, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 86.3171, 0.2610, 0.3288 looks on a white background.

Color Contrast Check

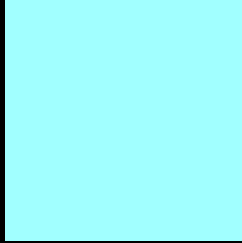
Large Text (above 18pt) WCAG AA × Fail

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 86.3171, 0.2610, 0.3288 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 86.3171, 0.2610, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 86.3171, 0.2610, 0.3288.

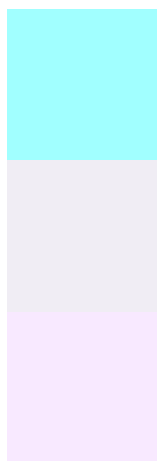


This preview shows how white text looks on a background with the Yxy color 86.3171, 0.2610, 0.3288.

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

86.3171, 0.2610, 0.3288

Protanopia

85.6253, 0.3104, 0.3220

Deuteranopia

85.4543, 0.3091, 0.3075



Tritanopia

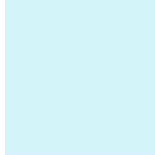
85.9347, 0.2843, 0.3185

Trichromacy



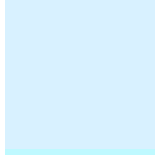
Original Color

86.3171, 0.2610, 0.3288



Protanomaly

85.3276, 0.2899, 0.3248



Deuteranomaly

84.7295, 0.2889, 0.3145



Tritanomaly

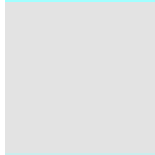
86.0477, 0.2751, 0.3225

Monochromacy



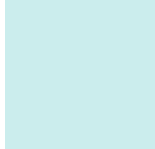
Original Color

86.3171, 0.2610, 0.3288



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.3793, 0.2909, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.3171, 0.2610, 0.3288 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(161, 255, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 255, 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(161, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 86.3171, 0.2610, 0.3288 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(161, 255, 255) }
```

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

```
.border{ border-color:rgb(161, 255, 255) }
```

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

Here you see how a box with a 4 pixel rgb(161, 255, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 86.3171, 0.2610, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 255, 255) }
```

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

```
.background{ background-color: rgb(161,  
255, 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