

Converting Colors

$Y_{xy}(110.6502, 0.2228, 0.2405)$

Have a look what the booklet for
Yxy(110.6502, 0.2228, 0.2405)
contains.

Yxy(87.0648, 0.2642, 0.3289)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.0648, 0.2642, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	A8FFFF
RGB	168, 255, 255
RGB Percent	66%, 100%, 100%
CMY	0.3416, 0.0000, 0.0001
CMYK	0.34, 0.00, 0.00, 0.00
HSL	180°, 100%, 83%
HSV	180°, 34%, 100%
XYZ	69.9377, 87.0648, 107.7126
YIQ	228.9870, -51.8520, -18.4440

Conversions

Conversions Part 2

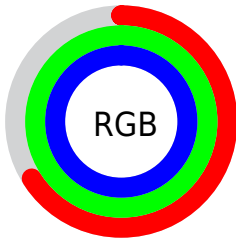
Format	Color
R_{YB}	168, 212, 255
Decimal	11075583
CIE _{Lab}	94.77, -26.04, -8.31
CIE _{LCh}	95, 27.332, 197.690
Y _{xy}	87.0648, 0.2642, 0.3289
Android (android.graphics.Color)	4289265663 (0xFFA8FFFF)
YUV	228.9870, 12.8244, -53.4856
Hunter-Lab	93.3085, -29.4984, -3.1266

Details

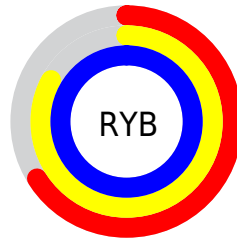
The Yxy color **87.0648, 0.2642, 0.3289** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **52.0469, 0.3940, 0.3292**, and the grayscale version is **78.2488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **47.8449, 0.2539, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **84.5238, 0.2530, 0.3288**, and if you desaturate by 10%, it is **90.1276, 0.2770, 0.3289**.

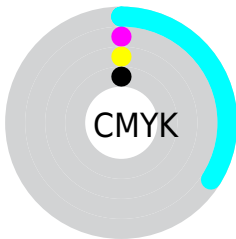
Distribution



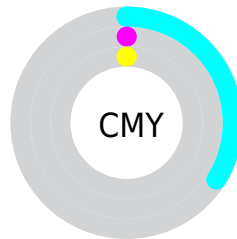
- Red (66%)
- Green (100%)
- Blue (100%)



- Red (66%)
- Yellow (83%)
- Blue (100%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.0648, 0.2642, 0.3289 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 87.0648, 0.2642, 0.3289 by changing the saturation by 10% instead.

 87.0648, 0.2642,
0.3289

 87.0648, 0.2642,
0.3289


518.4358, 0.2856,
0.3293

 65.5488, 0.2595,
0.3287


 143.2545, 0.2714,
0.3291

 47.9062, 0.2539,
0.3285


178.6969, 0.2743,
0.3292

 33.7526, 0.2469,
0.3281


219.5504, 0.2768,
0.3292

 22.7036, 0.2381,
0.3274

266.1992, 0.2790,
0.3293

 14.3748, 0.2266,
0.3265

319.0277, 0.2809,
0.3293

 8.3818, 0.2111,
0.3248

378.4204, 0.2827,

 4.3402, 0.1889,

0.3293

0.3216

444.7616, 0.2842,
0.3293

■ 1.8656, 0.1552,
0.3147

■ 0.5276, 0.0000,
0.3112

■ 87.0648, 0.2642,
0.3289

■ 87.0648, 0.2642,
0.3289

■ 84.5238, 0.2530,
0.3288

■ 90.1276, 0.2770,
0.3289

■ 82.5125, 0.2436,
0.3288

■ 93.7821, 0.2911,
0.3289

■ 80.9820, 0.2361,
0.3288

■ 98.0422, 0.3062,
0.3290

■ 79.8922, 0.2306,
0.3288

100.0000, 0.3127,
0.3290

■ 79.1965, 0.2271,
0.3288

■ 78.8379, 0.2252,
0.3288

■ 78.7371, 0.2247,
0.3288

Harmonies

Analogous

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



87.0648, 0.2864, 0.3582



87.0648, 0.2642, 0.3289



87.0648, 0.2547, 0.3015

Triad

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



87.0648, 0.2642, 0.3289



87.0648, 0.3066, 0.2848



87.0648, 0.3680, 0.3733

Complementary

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



87.0648, 0.2642, 0.3289



52.0469, 0.3940, 0.3292

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.



87.0648, 0.3745, 0.3517



87.0648, 0.2642, 0.3289



87.0648, 0.3380, 0.3021

Square

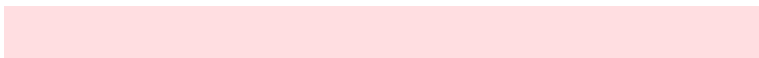
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0648, 0.2642, 0.3289



87.0648, 0.2781, 0.2779



87.0648, 0.3634, 0.3260



87.0648, 0.3464, 0.3842

Rectangle

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



87.0648, 0.2642, 0.3289



87.0648, 0.2564, 0.2881



87.0648, 0.3634, 0.3260



87.0648, 0.3721, 0.3670

Sweetspot

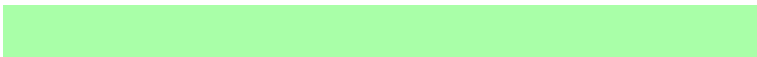
The Sweet Spot groups the original color and five complimentary colors.



87.0514, 0.2642, 0.3289



95.4801, 0.2973, 0.3290



82.8154, 0.3087, 0.4315



20.3114, 0.2952, 0.3290



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

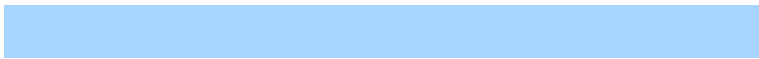
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0514, 0.2642, 0.3289



85.2656, 0.2564, 0.3289



63.0682, 0.2578, 0.2806



20.4815, 0.2980, 0.3290



41.1419, 0.2247, 0.3288



4.0059, 0.2247, 0.3288

Inverse Universe

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



52.0469, 0.3940, 0.3292



45.4337, 0.4186, 0.3293



70.1719, 0.3789, 0.3727



17.9871, 0.3295, 0.3290



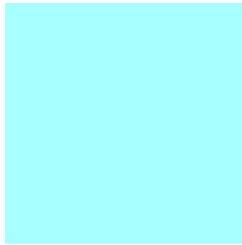
11.1089, 0.6401, 0.3300



1.0816, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 87.0648, 0.2642, 0.3289 looks on a white background.

Color Contrast Check

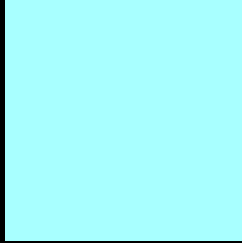
Large Text (above 18pt) WCAG AA × Fail

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 87.0648, 0.2642, 0.3289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

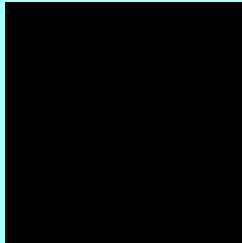
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

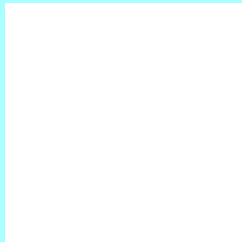
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.0648, 0.2642, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 87.0648, 0.2642, 0.3289.

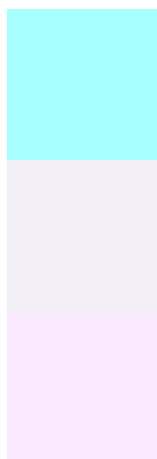


This preview shows how white text looks on a background with the Yxy color 87.0648, 0.2642, 0.3289.

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

87.0648, 0.2642, 0.3289

Protanopia

86.4424, 0.3104, 0.3220

Deuteranopia

86.2054, 0.3097, 0.3085



Tritanopia

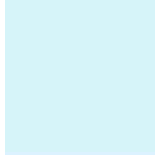
86.5219, 0.2867, 0.3186

Trichromacy



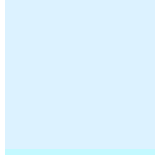
Original Color

87.0648, 0.2642, 0.3289



Protanomaly

85.8371, 0.2911, 0.3237



Deuteranomaly

85.9399, 0.2913, 0.3156



Tritanomaly

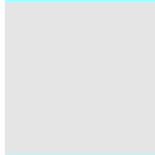
86.7071, 0.2779, 0.3226

Monochromacy



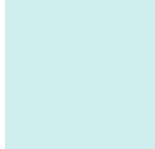
Original Color

87.0648, 0.2642, 0.3289



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.5875, 0.2928, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0648, 0.2642, 0.3289 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(168, 255, 255)` looks like.

```
.text, #text, p{  
  color:rgb(168, 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(168, 255, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 255, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.0648, 0.2642, 0.3289 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(168, 255, 255) }
```

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

```
.border{ border-color:rgb(168, 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(168, 255, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 255, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 255, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 255,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0648, 0.2642, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 255, 255) }
```

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

```
.background{ background-color: rgb(168,  
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