

Converting Colors

$Y_{xy}(100.0000, 0.2343, 0.2315)$

Have a look what the booklet for
Yxy(100.0000, 0.2343, 0.2315)
contains.

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Color

Yxy(90.6602, 0.2815, 0.3279)

Conversions

Conversions Part 1

Format	Color
Hex	CAFEFF
RGB	202, 254, 255
RGB Percent	79%, 100%, 100%
CMY	0.2082, 0.0038, 0.0000
CMYK	0.21, 0.00, 0.00, 0.00
HSL	181°, 100%, 90%
HSV	181°, 21%, 100%
XYZ	77.8312, 90.6602, 107.9960
YIQ	238.5660, -31.3130, -10.7130

Conversions

Conversions Part 2

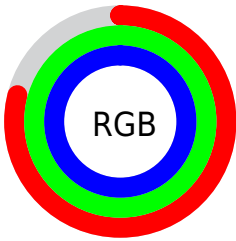
Format	Color
R _Y B	202, 228, 255
Decimal	13303551
CIE Lab	96.27, -16.14, -5.89
CIE LCh	96, 17.182, 200.035
Yxy	90.6602, 0.2815, 0.3279
Android (android.graphics.Color)	4291493631 (0xFFCAFEFF)
YUV	238.5660, 8.1020, -32.0684
Hunter-Lab	95.2156, -20.7179, -0.5972

Details

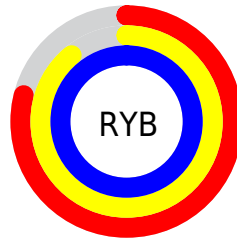
The Yxy color **90.6602, 0.2815, 0.3279** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.1780, 0.3545, 0.3301**, and the grayscale version is **85.9066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2128, 0.2752, 0.3275** is the 20% darker color. If you saturate the color by 10%, you get **87.1031, 0.2681, 0.3273**, and if you desaturate by 10%, it is **94.8130, 0.2960, 0.3285**.

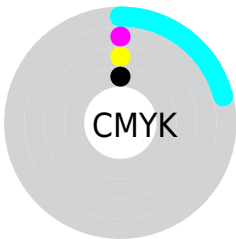
Distribution



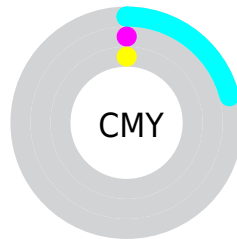
- Red (79%)
- Green (100%)
- Blue (100%)



- Red (79%)
- Yellow (89%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (0%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6602, 0.2815, 0.3279 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 90.6602, 0.2815, 0.3279 by changing the saturation by 10% instead.

 90.6602, 0.2815,
0.3279

 90.6602, 0.2815,
0.3279


530.1761, 0.2953,
0.3286

 68.5283, 0.2785,
0.3277

148.2551, 0.2862,
0.3282

 50.3277, 0.2749,
0.3275


184.4869, 0.2880,
0.3282

 35.6738, 0.2704,
0.3272


226.1875, 0.2896,
0.3283

 24.1824, 0.2647,
0.3267

273.7413, 0.2910,
0.3284

 15.4690, 0.2573,
0.3260

327.5327, 0.2923,
0.3284

 9.1492, 0.2472,
0.3250

387.9460, 0.2934,

 4.8386, 0.2326,

0.3285

455.3657, 0.2944,
0.3285

0.3232

2.1529, 0.2098,
0.3196

0.6941, 0.1241,
0.3241

90.6602, 0.2815,
0.3279

90.6602, 0.2815,
0.3279

87.1031, 0.2681,
0.3273

94.8130, 0.2960,
0.3285

84.1017, 0.2562,
0.3267

99.5773, 0.3114,
0.3290

81.6285, 0.2460,
0.3261

99.9994, 0.3127,
0.3290

79.6491, 0.2377,
0.3255

■ 78.1251, 0.2313,
0.3249

■ 77.0123, 0.2269,
0.3242

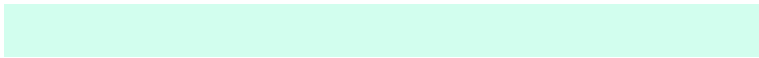
■ 76.2581, 0.2242,
0.3236

■ 75.8047, 0.2231,
0.3231

Harmonies

Analogous

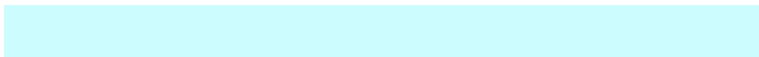
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6602, 0.2952, 0.3456



90.6602, 0.2815, 0.3279



90.6602, 0.2760, 0.3112

Triad

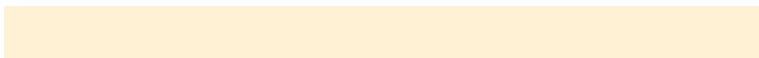
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.6602, 0.2815, 0.3279



90.6602, 0.3107, 0.3016



90.6602, 0.3463, 0.3577

Complementary

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



90.6602, 0.2815, 0.3279



68.1780, 0.3545, 0.3301

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.



90.6602, 0.3509, 0.3450



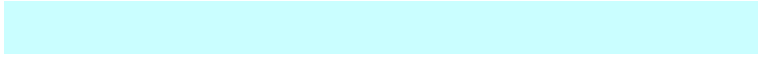
90.6602, 0.2815, 0.3279



90.6602, 0.3300, 0.3131

Square

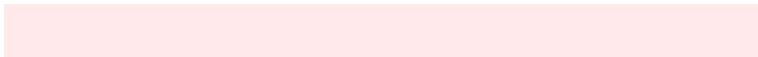
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6602, 0.2815, 0.3279



90.6602, 0.2924, 0.2967



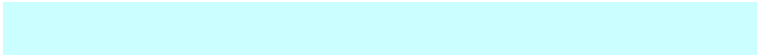
90.6602, 0.3449, 0.3288



90.6602, 0.3326, 0.3630

Rectangle

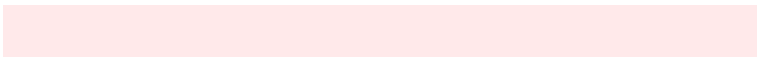
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.6602, 0.2815, 0.3279



90.6602, 0.2776, 0.3029



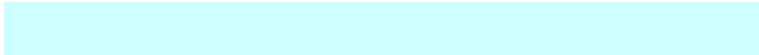
90.6602, 0.3449, 0.3288



90.6602, 0.3490, 0.3541

Sweetspot

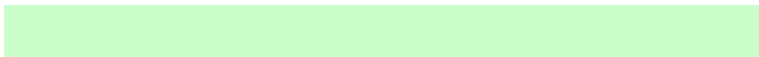
The Sweet Spot groups the original color and five complimentary colors.



90.6639, 0.2815, 0.3279



97.0350, 0.3034, 0.3287



88.3625, 0.3095, 0.3860



20.7033, 0.3024, 0.3287



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

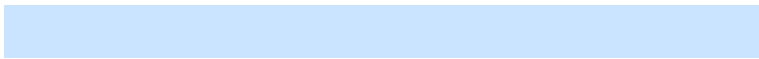
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6639, 0.2815, 0.3279



89.1097, 0.2757, 0.3277



75.0164, 0.2796, 0.2996



20.4213, 0.2980, 0.3285



39.6385, 0.2231, 0.3232



3.8769, 0.2233, 0.3239

Inverse Universe

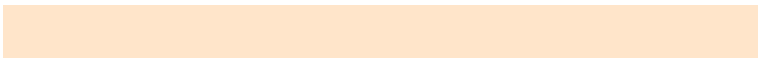
The Inverse Universe completely reimagines the original color for something new.



70.6197, 0.3158, 0.2780



65.7761, 0.3165, 0.2676



81.7462, 0.3491, 0.3568



18.2943, 0.3141, 0.3060



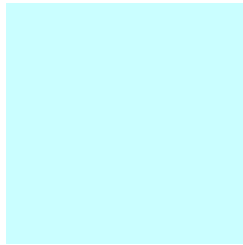
14.7295, 0.3255, 0.1567



1.4359, 0.3250, 0.1564

Previews

White Background



This preview shows how the Yxy color 90.6602, 0.2815, 0.3279 looks on a white background.

Color Contrast Check

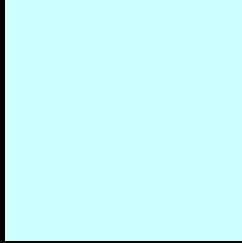
Large Text (above 18pt) WCAG AA × Fail

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 90.6602, 0.2815, 0.3279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

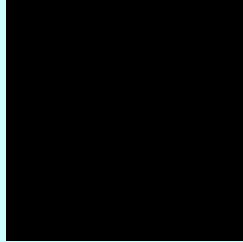
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.6602, 0.2815, 0.3279

Background



This preview shows how black text looks on a background with the Yxy color 90.6602, 0.2815, 0.3279.

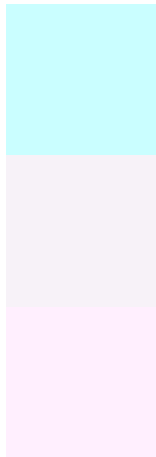


This preview shows how white text looks on a background with the Yxy color 90.6602, 0.2815, 0.3279.

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

90.6602, 0.2815, 0.3279

Protanopia

90.0557, 0.3123, 0.3231

Deuteranopia

90.1488, 0.3140, 0.3146



Tritanopia

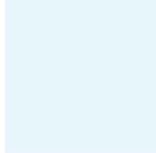
90.5645, 0.2975, 0.3210

Trichromacy



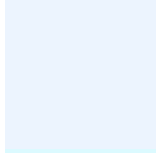
Original Color

90.6602, 0.2815, 0.3279



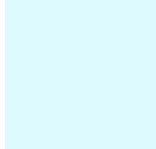
Protanomaly

89.8655, 0.3004, 0.3239



Deuteranomaly

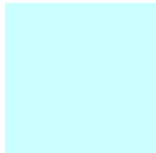
89.6900, 0.3018, 0.3190



Tritanomaly

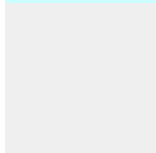
90.8069, 0.2916, 0.3239

Monochromacy



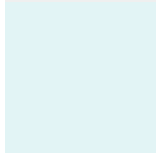
Original Color

90.6602, 0.2815, 0.3279



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.4627, 0.3007, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6602, 0.2815, 0.3279 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(202, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(202, 254, 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(202, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.6602, 0.2815, 0.3279 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(202, 254, 255) }
```

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

```
.border{ border-color:rgb(202, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(202, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6602, 0.2815, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 254, 255) }
```

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

```
.background{ background-color: rgb(202,  
254, 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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