

Converting Colors

$Yxy(89.6728, 0.2916, 0.3295)$

Have a look what the booklet for
Yxy(89.6728, 0.2916, 0.3295)
contains.

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Color

Yxy(89.6578, 0.2919, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	D7FAF9
RGB	215, 250, 249
RGB Percent	84%, 98%, 98%
CMY	0.1568, 0.0196, 0.0236
CMYK	0.14, 0.00, 0.00, 0.02
HSL	178°, 78%, 91%
HSV	178°, 14%, 98%
XYZ	79.3064, 89.6578, 102.7261
YIQ	239.4210, -20.5390, -7.7310

Conversions

Conversions Part 2

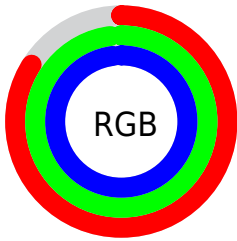
Format	Color
R _Y B	215, 233, 250
Decimal	14154489
CIE Lab	95.85, -11.42, -3.30
CIE LCh	96, 11.884, 196.143
Yxy	89.6578, 0.2919, 0.3300
Android (android.graphics.Color)	4292344569 (0xFFD7FAF9)
YUV	239.4210, 4.7224, -21.4172
Hunter-Lab	94.6878, -16.1998, 1.9582

Details

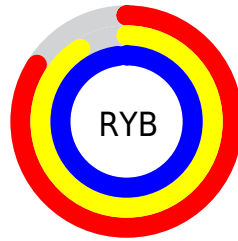
The Yxy color **89.6578, 0.2919, 0.3300** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.8895, 0.3380, 0.3280**, and the grayscale version is **86.6381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9074, 0.2873, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **86.1154, 0.2781, 0.3308**, and if you desaturate by 10%, it is **93.7861, 0.3066, 0.3293**.

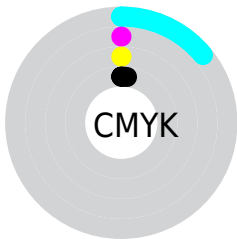
Distribution



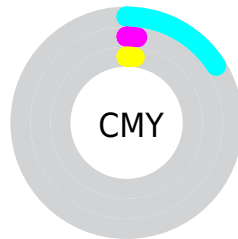
- Red (84%)
- Green (98%)
- Blue (98%)



- Red (84%)
- Yellow (91%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)




- Cyan (16%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6578, 0.2919, 0.3300 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 89.6578, 0.2919, 0.3300 by changing the saturation by 10% instead.


 89.6578, 0.2919,
0.3300

 89.6578, 0.2919,
0.3300


526.9171, 0.3011,
0.3296

 67.6969, 0.2899,
0.3301


146.8630, 0.2950,
0.3299

 49.6512, 0.2874,
0.3301


182.8760, 0.2963,
0.3298

 35.1363, 0.2844,
0.3302


224.3418, 0.2973,
0.3298

 23.7679, 0.2805,
0.3303

271.6449, 0.2983,
0.3298

 15.1615, 0.2754,
0.3304

325.1695, 0.2991,
0.3297

 8.9328, 0.2684,
0.3304

385.3002, 0.2999,

 4.6974, 0.2581,

0.3297

0.3304

452.4212, 0.3005,
0.3297

■ 2.0708, 0.2418,
0.3300

■ 0.6481, 0.1755,
0.3372

■ 89.6578, 0.2919,
0.3300

■ 89.6578, 0.2919,
0.3300

■ 86.1154, 0.2781,
0.3308

■ 93.7861, 0.3066,
0.3293

■ 83.1217, 0.2656,
0.3317


■ 96.5658, 0.3156,
0.3286


■ 80.6521, 0.2546,
0.3326

■ 96.6123, 0.3152,
0.3279

■ 78.6759, 0.2454,
0.3335

■ 96.6589, 0.3147,
0.3272


 77.1595, 0.2381,
0.3345


 96.7057, 0.3143,
0.3265

 76.0645, 0.2327,
0.3354

 96.7527, 0.3139,
0.3258


 75.3469, 0.2293,
0.3364

 96.7999, 0.3134,
0.3251

 74.9527, 0.2276,
0.3373

 96.8473, 0.3130,
0.3244

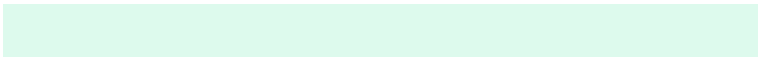
 74.8244, 0.2272,
0.3379

 96.8555, 0.3129,
0.3242

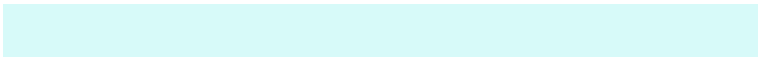
Harmonies

Analogous

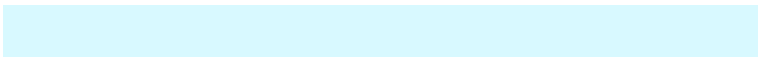
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6578, 0.3022, 0.3419



89.6578, 0.2919, 0.3300



89.6578, 0.2872, 0.3182

Triad

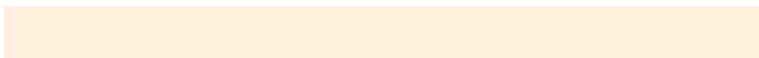
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6578, 0.2919, 0.3300



89.6578, 0.3096, 0.3090



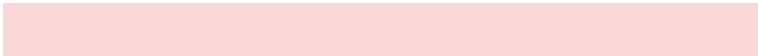
89.6578, 0.3368, 0.3482

Complementary

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



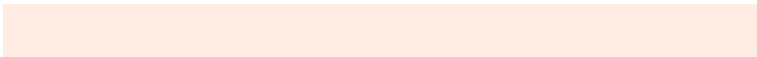
89.6578, 0.2919, 0.3300



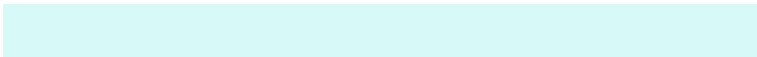
73.8895, 0.3380, 0.3280

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.



89.6578, 0.3390, 0.3390



89.6578, 0.2919, 0.3300



89.6578, 0.3231, 0.3166

Square

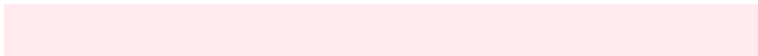
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



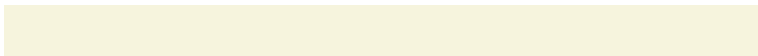
89.6578, 0.2919, 0.3300



89.6578, 0.2972, 0.3064



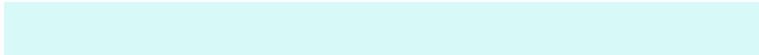
89.6578, 0.3339, 0.3275



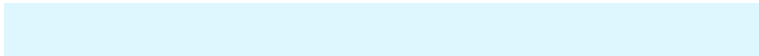
89.6578, 0.3281, 0.3524

Rectangle

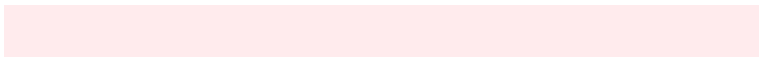
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



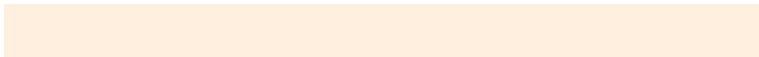
89.6578, 0.2919, 0.3300



89.6578, 0.2877, 0.3119



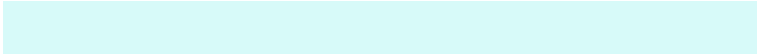
89.6578, 0.3339, 0.3275



89.6578, 0.3383, 0.3455

Sweetspot

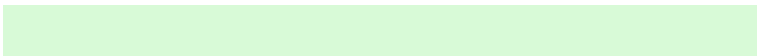
The Sweet Spot groups the original color and five complimentary colors.



89.6615, 0.2919, 0.3300



98.0972, 0.3066, 0.3293



87.9075, 0.3117, 0.3662



20.9227, 0.3055, 0.3293



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

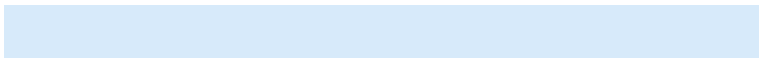
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6615, 0.2919, 0.3300



92.6030, 0.2876, 0.3302



80.0106, 0.2908, 0.3118



19.5992, 0.2984, 0.3297



39.6908, 0.2272, 0.3378



3.6788, 0.2268, 0.3366

Inverse Universe

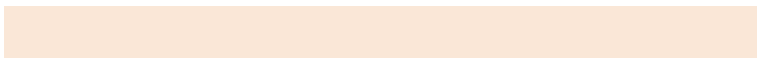
The Inverse Universe completely reimagines the original color for something new.



73.8895, 0.3380, 0.3280



72.9726, 0.3445, 0.3278



82.5743, 0.3363, 0.3456



17.2335, 0.3290, 0.3283



10.7927, 0.6370, 0.3283



1.0024, 0.6296, 0.3242

Previews

White Background



This preview shows how the Yxy color 89.6578, 0.2919, 0.3300 looks on a white background.

Color Contrast Check

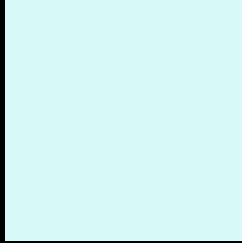
Large Text (above 18pt) WCAG AA × Fail

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 89.6578, 0.2919, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

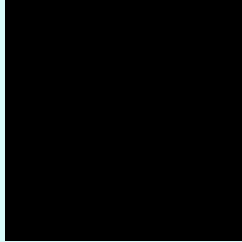
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

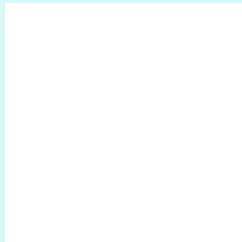
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6578, 0.2919, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 89.6578, 0.2919, 0.3300.

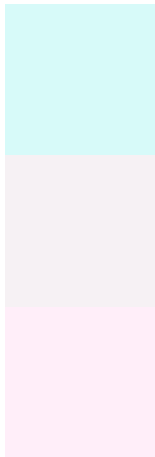


This preview shows how white text looks on a background with the Yxy color 89.6578, 0.2919, 0.3300.

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

89.6578, 0.2919, 0.3300

Protanopia

89.0351, 0.3142, 0.3260

Deuteranopia

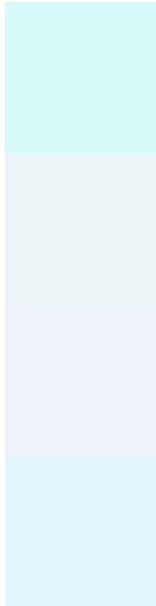
89.2486, 0.3172, 0.3184



Tritanopia

89.5137, 0.2981, 0.3190

Trichromacy



Original Color

89.6578, 0.2919, 0.3300

Protanomaly

89.0174, 0.3058, 0.3270

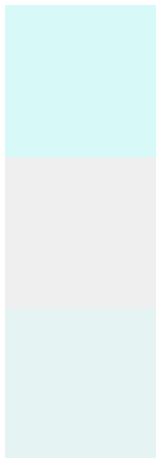
Deuteranomaly

88.8691, 0.3072, 0.3220

Tritanomaly

89.6209, 0.2956, 0.3229

Monochromacy



Original Color

89.6578, 0.2919, 0.3300

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.3952, 0.3044, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6578, 0.2919, 0.3300 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(215, 250, 249)` looks like.

```
.text, #text, p{  
    color:rgb(215, 250, 249)  
}
```

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(215, 250, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 250, 249) }
```

Border

The CSS property to change the border of an element to Yxy 89.6578, 0.2919, 0.3300 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(215, 250, 249) }
```

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

```
.border{ border-color:rgb(215, 250, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 250, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 250, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 250, 249);  
box-shadow:4px 4px 4px 4px rgb(215, 250,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6578, 0.2919, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 250, 249) }
```

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

```
.background{ background-color: rgb(215,  
250, 249) }
```

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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