

Converting Colors

$Y_{xy}(135.7438, 0.2979, 0.3983)$

Have a look what the booklet for
Yxy(135.7438, 0.2979, 0.3983)
contains.

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Color

Yxy(92.4102, 0.2975, 0.3444)

Conversions

Conversions Part 1

Format	Color
Hex	D8FFF0
RGB	216, 255, 240
RGB Percent	85%, 100%, 94%
CMY	0.1526, 0.0001, 0.0587
CMYK	0.15, 0.00, 0.06, 0.00
HSL	157°, 100%, 92%
HSV	157°, 15%, 100%
XYZ	79.8259, 92.4102, 96.0862
YIQ	241.6290, -18.4290, -12.9330

Conversions

Conversions Part 2

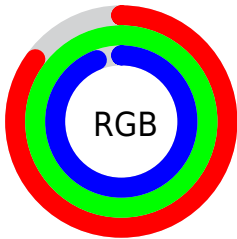
Format	Color
R _Y B	216, 240, 255
Decimal	14221296
CIE Lab	96.99, -15.27, 2.97
CIE LCh	97, 15.560, 168.995
Yxy	92.4102, 0.2975, 0.3444
Android (android.graphics.Color)	4292411376 (0xFFD8FFF0)
YUV	241.6290, -0.8031, -22.4766
Hunter-Lab	96.1302, -20.0027, 8.0283

Details

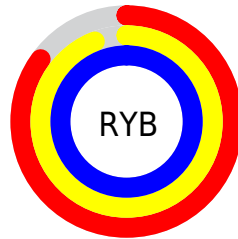
The Yxy color **92.4102, 0.2975, 0.3444** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.1789, 0.3309, 0.3141**, and the grayscale version is **88.5153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4259, 0.2943, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **88.2581, 0.2881, 0.3559**, and if you desaturate by 10%, it is **97.2042, 0.3074, 0.3340**.

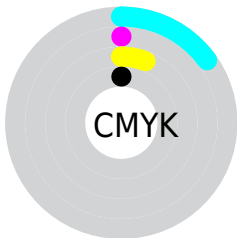
Distribution



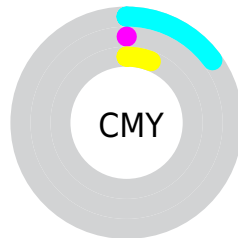
- Red (85%)
- Green (100%)
- Blue (94%)



- Red (85%)
- Yellow (94%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.4102, 0.2975, 0.3444 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 92.4102, 0.2975, 0.3444 by changing the saturation by 10% instead.


 92.4102, 0.2975,
0.3444

 92.4102, 0.2975,
0.3444


535.8403, 0.3043,
0.3375

 69.9814, 0.2960,
0.3459


150.6818, 0.2998,
0.3420

 51.5114, 0.2942,
0.3478


187.2934, 0.3007,
0.3411

 36.6157, 0.2919,
0.3501


229.4013, 0.3015,
0.3403

 24.9101, 0.2891,
0.3531

277.3900, 0.3022,
0.3396

 16.0101, 0.2852,
0.3570

331.6439, 0.3028,
0.3390

 9.5313, 0.2800,
0.3625

392.5473, 0.3034,

 5.0893, 0.2722,

0.3384

0.3707

460.4846, 0.3038,
0.3380

■ 2.2998, 0.2597,
0.3842

■ 0.7736, 0.2047,
0.4369

■ 92.4102, 0.2975,
0.3444

■ 92.4102, 0.2975,
0.3444

■ 88.2581, 0.2881,
0.3559

■ 97.2042, 0.3074,
0.3340

■ 84.7081, 0.2795,
0.3684

99.9909, 0.3127,
0.3290

■ 81.7338, 0.2720,
0.3819

■ 79.3019, 0.2659,
0.3962

■ 77.3761, 0.2616,
0.4110

■ 75.9150, 0.2592,
0.4262

■ 74.8707, 0.2589,
0.4413

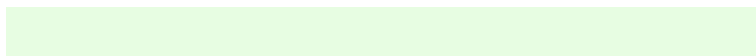
■ 74.1841, 0.2606,
0.4561

■ 73.9436, 0.2619,
0.4629

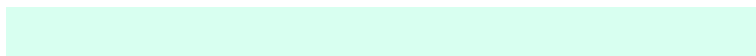
Harmonies

Analogous

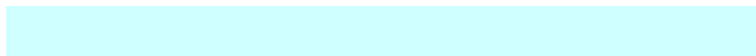
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4102, 0.3144, 0.3559



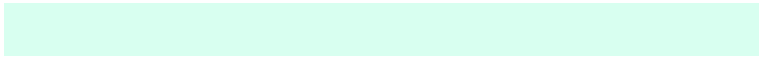
92.4102, 0.2975, 0.3444



92.4102, 0.2849, 0.3286

Triad

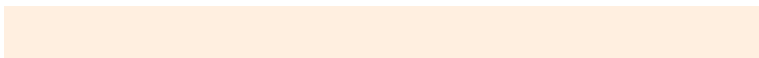
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.4102, 0.2975, 0.3444



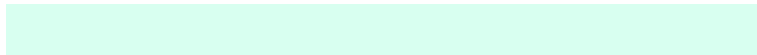
92.4102, 0.2940, 0.2998



92.4102, 0.3470, 0.3430

Complementary

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



92.4102, 0.2975, 0.3444



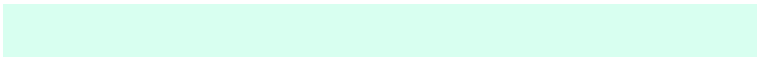
76.1789, 0.3309, 0.3141

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.



92.4102, 0.3413, 0.3284



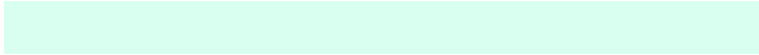
92.4102, 0.2975, 0.3444



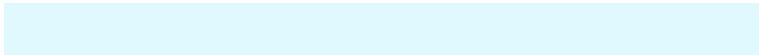
92.4102, 0.3103, 0.3039

Square

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



92.4102, 0.2975, 0.3444



92.4102, 0.2829, 0.3031



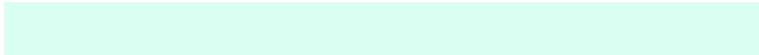
92.4102, 0.3277, 0.3143



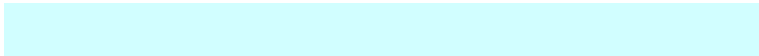
92.4102, 0.3432, 0.3546

Rectangle

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



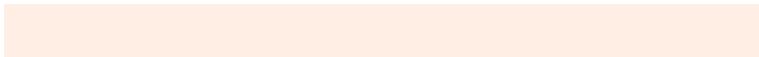
92.4102, 0.2975, 0.3444



92.4102, 0.2805, 0.3182



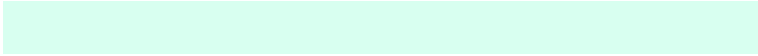
92.4102, 0.3277, 0.3143



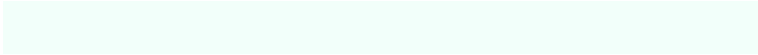
92.4102, 0.3461, 0.3383

Sweetspot

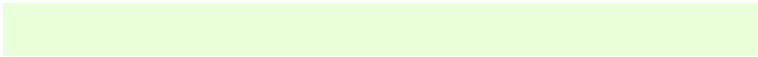
The Sweet Spot groups the original color and five complimentary colors.



92.4141, 0.2975, 0.3444



97.3498, 0.3077, 0.3338



93.5682, 0.3206, 0.3688



20.7600, 0.3070, 0.3345



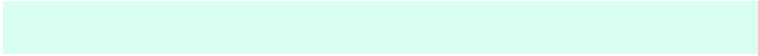
0.0000, 0.0000, 0.0000



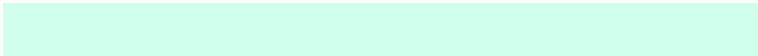
21.4041, 0.3127, 0.3290

Same Dimension

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



92.4141, 0.2975, 0.3444



91.2250, 0.2949, 0.3474



90.8830, 0.2893, 0.3250



20.3561, 0.3032, 0.3383



38.6721, 0.2613, 0.4605



3.7867, 0.2566, 0.4438

Inverse Universe

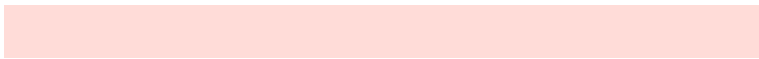
The Inverse Universe completely reimagines the original color for something new.



76.1789, 0.3309, 0.3141



72.4421, 0.3347, 0.3113



77.3876, 0.3409, 0.3330



18.1027, 0.3234, 0.3199



11.5969, 0.5447, 0.2774



1.1497, 0.5141, 0.2605

Previews

White Background



This preview shows how the Yxy color 92.4102, 0.2975, 0.3444 looks on a white background.

Color Contrast Check

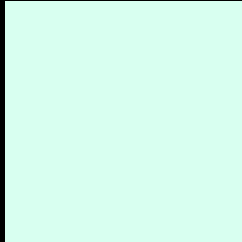
Large Text (above 18pt) WCAG AA × Fail

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 92.4102, 0.2975, 0.3444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

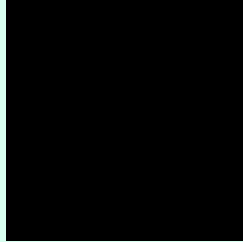
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

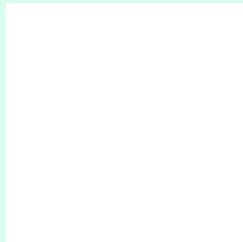
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.4102, 0.2975, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 92.4102, 0.2975, 0.3444.

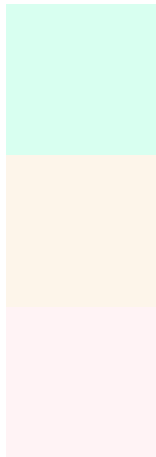


This preview shows how white text looks on a background with the Yxy color 92.4102, 0.2975, 0.3444.

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

92.4102, 0.2975, 0.3444

Protanopia

92.1280, 0.3246, 0.3398

Deuteranopia

91.9538, 0.3193, 0.3271



Tritanopia

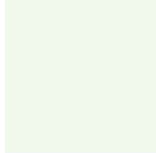
92.5319, 0.3024, 0.3221

Trichromacy



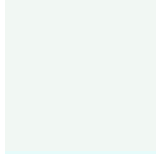
Original Color

92.4102, 0.2975, 0.3444



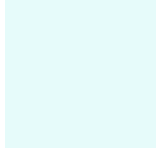
Protanomaly

92.3328, 0.3147, 0.3420



Deuteranomaly

91.6934, 0.3113, 0.3330



Tritanomaly

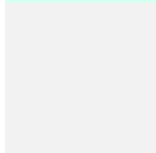
92.7195, 0.3003, 0.3300

Monochromacy



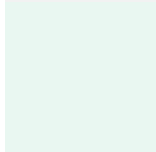
Original Color

92.4102, 0.2975, 0.3444



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.1960, 0.3074, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4102, 0.2975, 0.3444 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(216, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(216, 255, 240)  
}
```

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(216, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 92.4102, 0.2975, 0.3444 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(216, 255, 240) }
```

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

```
.border{ border-color:rgb(216, 255, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(216, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4102, 0.2975, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 255, 240) }
```

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

```
.background{ background-color: rgb(216,  
255, 240) }
```

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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