

Converting Colors

$Y_{xy}(111.4989, 0.2962, 0.3698)$

Have a look what the booklet for
Yxy(111.4989, 0.2962, 0.3698)
contains.

| | |
|--|----|
| Yxy(92.3779, 0.2958, 0.3424) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(92.3779, 0.2958, 0.3424)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | D7FFF2 |
| RGB | 215, 255, 242 |
| RGB Percent | 84%, 100%, 95% |
| CMY | 0.1569, 0.0000, 0.0511 |
| CMYK | 0.16, 0.00, 0.05, 0.00 |
| HSL | 160°, 100%, 92% |
| HSV | 160°, 16%, 100% |
| XYZ | 79.8054, 92.3779, 97.6119 |
| YIQ | 241.5580, -19.6670, -12.5230 |

Conversions

Conversions Part 2

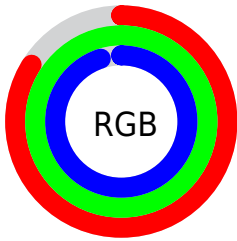
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 215, 239, 255 |
| Decimal | 14155762 |
| CIE _{Lab} | 96.97, -15.26, 1.94 |
| CIE _{LCh} | 97, 15.380, 172.762 |
| Yxy | 92.3779, 0.2958, 0.3424 |
| Android (android.graphics.Color) | 4292345842 (0xFFD7FFF2) |
| YUV | 241.5580, 0.2179, -23.2914 |
| Hunter-Lab | 96.1134, -19.9854, 7.0650 |

Details

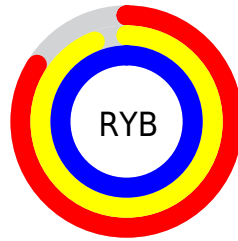
The Yxy color **92.3779, 0.2958, 0.3424** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.4560, 0.3331, 0.3160**, and the grayscale version is **88.4297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4069, 0.2922, 0.3449** is the 20% darker color. If you saturate the color by 10%, you get **88.3235, 0.2857, 0.3521**, and if you desaturate by 10%, it is **97.0502, 0.3065, 0.3336**.

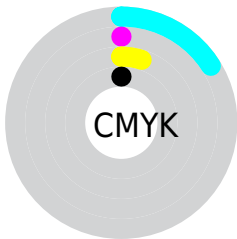
Distribution



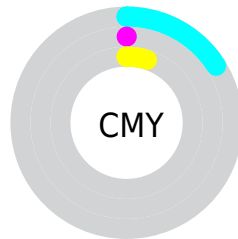
- Red (84%)
- Green (100%)
- Blue (95%)



- Red (84%)
- Yellow (94%)
- Blue (100%)



- Cyan (16%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (16%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.3779, 0.2958, 0.3424 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 92.3779, 0.2958, 0.3424 by changing the saturation by 10% instead.


 92.3779, 0.2958,
0.3424

 92.3779, 0.2958,
0.3424


535.7361, 0.3033,
0.3364

 69.9545, 0.2941,
0.3437


150.6370, 0.2984,
0.3404

 51.4895, 0.2921,
0.3453


187.2416, 0.2994,
0.3396

 36.5983, 0.2897,
0.3473

229.3421, 0.3002,
0.3389

 24.8966, 0.2865,
0.3499

277.3228, 0.3010,
0.3383

 16.0001, 0.2823,
0.3533

331.5681, 0.3017,
0.3377

 9.5242, 0.2765,
0.3580

392.4625, 0.3023,

 5.0846, 0.2680,

0.3372

0.3650

460.3904, 0.3028,
0.3368

■ 2.2970, 0.2544,
0.3763

■ 0.7721, 0.1966,
0.4199

■ 92.3779, 0.2958,
0.3424

■ 92.3779, 0.2958,
0.3424

■ 88.3235, 0.2857,
0.3521


■ 97.0502, 0.3065,
0.3336

■ 84.8684, 0.2765,
0.3626


100.0000, 0.3127,
0.3290


■ 81.9792, 0.2684,
0.3739


■ 79.6229, 0.2619,
0.3858

 77.7630, 0.2571,
0.3982

 76.3582, 0.2544,
0.4108

 75.3603, 0.2537,
0.4235

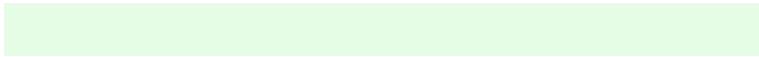
 74.7099, 0.2549,
0.4359

 74.4996, 0.2559,
0.4412

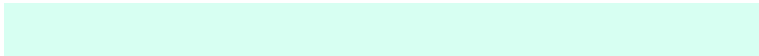
Harmonies

Analogous

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



92.3779, 0.3122, 0.3545



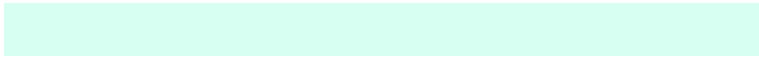
92.3779, 0.2958, 0.3424



92.3779, 0.2841, 0.3266

Triad

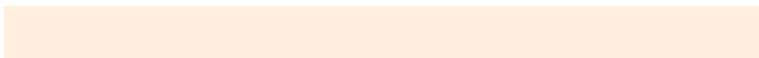
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.3779, 0.2958, 0.3424



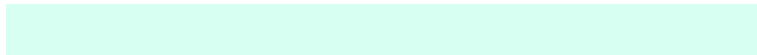
92.3779, 0.2960, 0.3003



92.3779, 0.3466, 0.3446

Complementary

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



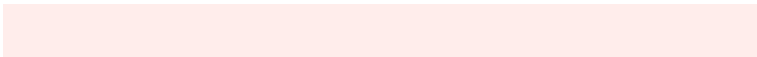
92.3779, 0.2958, 0.3424



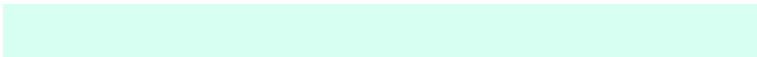
75.4560, 0.3331, 0.3160

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.



92.3779, 0.3421, 0.3302



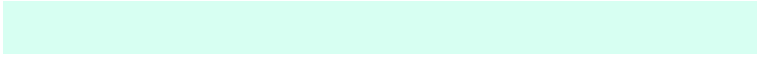
92.3779, 0.2958, 0.3424



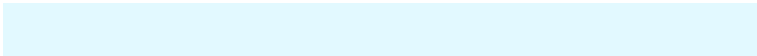
92.3779, 0.3125, 0.3052

Square

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



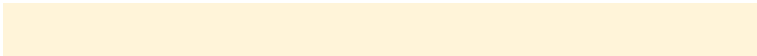
92.3779, 0.2958, 0.3424



92.3779, 0.2842, 0.3026



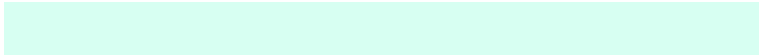
92.3779, 0.3295, 0.3160



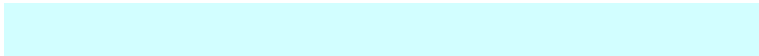
92.3779, 0.3418, 0.3553

Rectangle

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



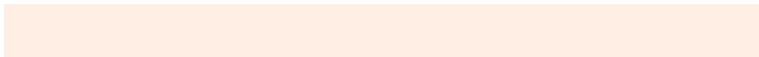
92.3779, 0.2958, 0.3424



92.3779, 0.2804, 0.3165



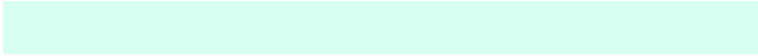
92.3779, 0.3295, 0.3160



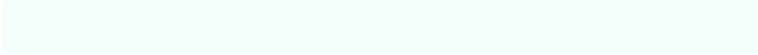
92.3779, 0.3462, 0.3400

Sweetspot

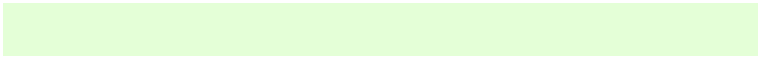
The Sweet Spot groups the original color and five complimentary colors.



92.3747, 0.2958, 0.3424



97.3972, 0.3072, 0.3330



92.9727, 0.3191, 0.3703



20.7715, 0.3065, 0.3336



0.0000, 0.0000, 0.0000



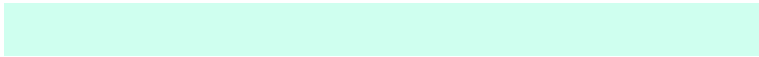
21.4041, 0.3127, 0.3290

Same Dimension

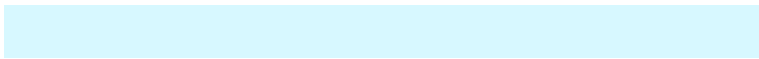
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.3747, 0.2958, 0.3424



90.9666, 0.2924, 0.3455



89.0037, 0.2886, 0.3221



20.3750, 0.3024, 0.3368



38.9562, 0.2553, 0.4392



3.8131, 0.2514, 0.4250

Inverse Universe

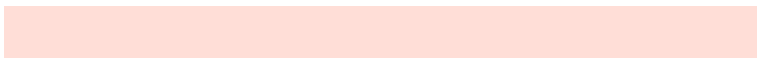
The Inverse Universe completely reimagines the original color for something new.



75.4560, 0.3331, 0.3160



70.9587, 0.3383, 0.3131



78.2255, 0.3414, 0.3358



18.0845, 0.3243, 0.3213



11.4591, 0.5677, 0.2901



1.1348, 0.5358, 0.2725

Previews

White Background



This preview shows how the Yxy color 92.3779, 0.2958, 0.3424 looks on a white background.

Color Contrast Check

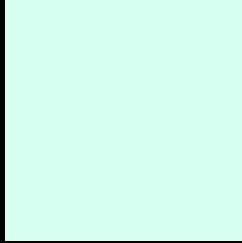
Large Text (above 18pt) WCAG AA × Fail

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 92.3779, 0.2958, 0.3424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

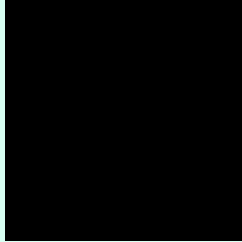
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

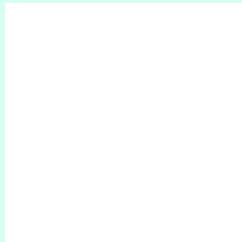
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.3779, 0.2958, 0.3424

Background



This preview shows how black text looks on a background with the Yxy color 92.3779, 0.2958, 0.3424.

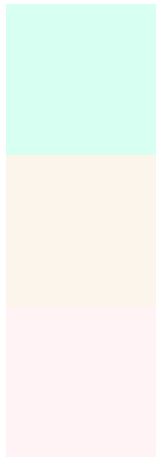


This preview shows how white text looks on a background with the Yxy color 92.3779, 0.2958, 0.3424.

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

92.3779, 0.2958, 0.3424

Protanopia

92.0564, 0.3227, 0.3378

Deuteranopia

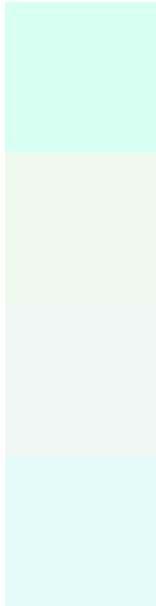
92.0150, 0.3187, 0.3261



Tritanopia

92.3593, 0.3018, 0.3221

Trichromacy



Original Color

92.3779, 0.2958, 0.3424

Protanomaly

92.2751, 0.3128, 0.3400

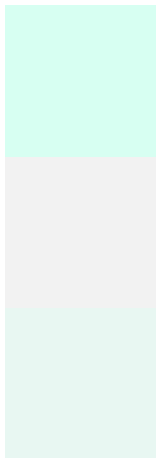
Deuteranomaly

91.6394, 0.3094, 0.3310

Tritanomaly

92.5545, 0.2997, 0.3300

Monochromacy



Original Color

92.3779, 0.2958, 0.3424

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

90.0881, 0.3061, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.3779, 0.2958, 0.3424 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, 255, 242)` looks like.

```
.text, #text, p{  
    color:rgb(215, 255, 242)  
}
```

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, 255, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 92.3779, 0.2958, 0.3424 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, 255, 242) }
```

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

```
.border{ border-color:rgb(215, 255, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(215, 255, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(215, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 92.3779, 0.2958, 0.3424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 255, 242) }
```

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

```
.background{ background-color: rgb(215,  
255, 242) }
```

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