

Converting Colors

$Y_{xy}(103.0815, 0.2923, 0.3631)$

Have a look what the booklet for
Yxy(103.0815, 0.2923, 0.3631)
contains.

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Color

Yxy(90.9331, 0.2917, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	CEFFF0
RGB	206, 255, 240
RGB Percent	81%, 100%, 94%
CMY	0.1919, 0.0000, 0.0589
CMYK	0.19, 0.00, 0.06, 0.00
HSL	162°, 100%, 90%
HSV	162°, 19%, 100%
XYZ	76.9515, 90.9331, 95.9190
YIQ	238.6390, -24.3890, -15.0530

Conversions

Conversions Part 2

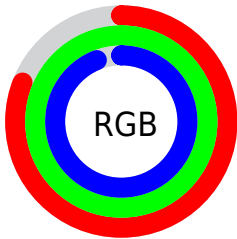
Format	Color
R_{YB}	206, 235, 255
Decimal	13565936
CIE _{Lab}	96.38, -18.40, 2.04
CIE _{LCh}	96, 18.509, 173.678
Yxy	90.9331, 0.2917, 0.3447
Android (android.graphics.Color)	4291756016 (0xFFCEFFF0)
YUV	238.6390, 0.6710, -28.6244
Hunter-Lab	95.3588, -22.8343, 7.1129

Details

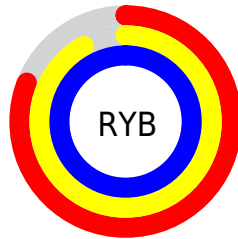
The Yxy color **90.9331, 0.2917, 0.3447** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.6550, 0.3393, 0.3139**, and the grayscale version is **86.0398, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4282, 0.2871, 0.3480** is the 20% darker color. If you saturate the color by 10%, you get **87.1222, 0.2817, 0.3541**, and if you desaturate by 10%, it is **95.3636, 0.3025, 0.3361**.

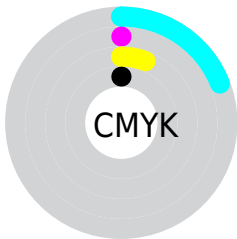
Distribution



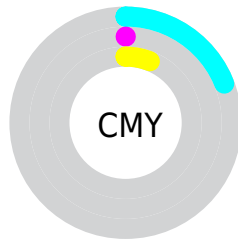
- Red (81%)
- Green (100%)
- Blue (94%)



- Red (81%)
- Yellow (92%)
- Blue (100%)



- Cyan (19%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.9331, 0.2917, 0.3447 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 90.9331, 0.2917, 0.3447 by changing the saturation by 10% instead.


 90.9331, 0.2917,
0.3447

 90.9331, 0.2917,
0.3447


531.0615, 0.3011,
0.3377

 68.7548, 0.2896,
0.3463


148.6338, 0.2949,
0.3423

 50.5121, 0.2871,
0.3482


184.9251, 0.2961,
0.3414

 35.8204, 0.2840,
0.3505


226.6894, 0.2972,
0.3405

 24.2955, 0.2800,
0.3536

274.3113, 0.2982,
0.3398

 15.5530, 0.2748,
0.3576

328.1750, 0.2990,
0.3392

 9.2084, 0.2675,
0.3632


388.6650, 0.2998,


 4.8774, 0.2568,


0.3386


0.3715


456.1657, 0.3005,
0.3381


 2.1755, 0.2396,
0.3852


 0.7066, 0.1430,
0.4541

 90.9331, 0.2917,
0.3447


 90.9331, 0.2917,
0.3447


 87.1222, 0.2817,
0.3541


 95.3636, 0.3025,
0.3361


 83.8910, 0.2726,
0.3642


99.9962, 0.3127,
0.3290


 81.2120, 0.2649,
0.3750

 79.0512, 0.2588,
0.3864

 77.3707, 0.2546,
0.3981

 76.1271, 0.2524,
0.4100

 75.2692, 0.2522,
0.4218

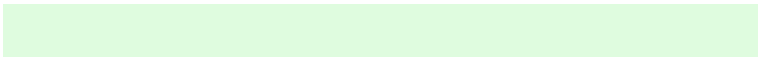
 74.7198, 0.2538,
0.4334

 74.6812, 0.2540,
0.4343

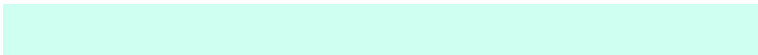
Harmonies

Analogous

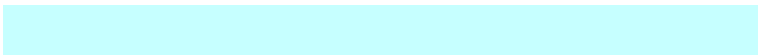
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9331, 0.3113, 0.3598



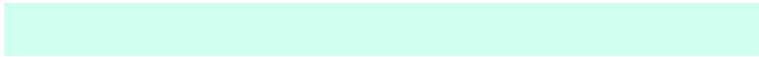
90.9331, 0.2917, 0.3447



90.9331, 0.2779, 0.3254

Triad

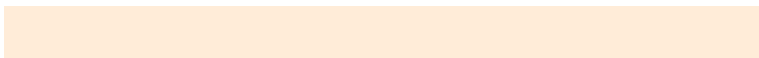
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9331, 0.2917, 0.3447



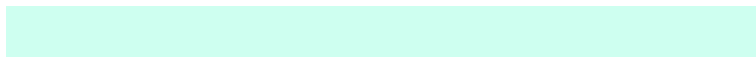
90.9331, 0.2930, 0.2945



90.9331, 0.3538, 0.3481

Complementary

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



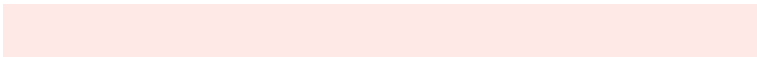
90.9331, 0.2917, 0.3447



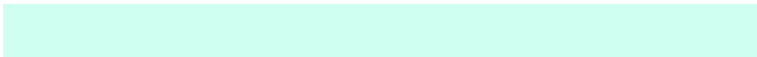
70.6550, 0.3393, 0.3139

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.



90.9331, 0.3487, 0.3309



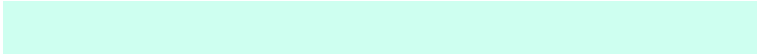
90.9331, 0.2917, 0.3447



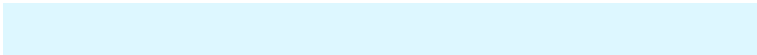
90.9331, 0.3131, 0.3007

Square

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



90.9331, 0.2917, 0.3447



90.9331, 0.2787, 0.2969



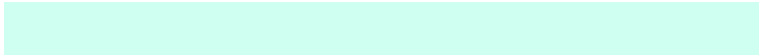
90.9331, 0.3336, 0.3138



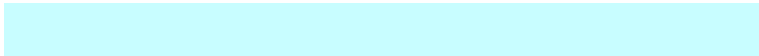
90.9331, 0.3475, 0.3610

Rectangle

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



90.9331, 0.2917, 0.3447



90.9331, 0.2737, 0.3132



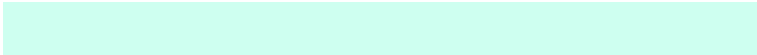
90.9331, 0.3336, 0.3138



90.9331, 0.3534, 0.3426

Sweetspot

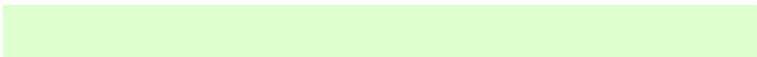
The Sweet Spot groups the original color and five complimentary colors.



90.9369, 0.2917, 0.3447



96.9142, 0.3060, 0.3336



91.4349, 0.3199, 0.3804



20.6747, 0.3053, 0.3341



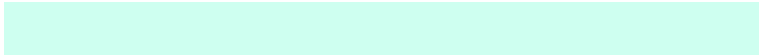
0.0000, 0.0000, 0.0000



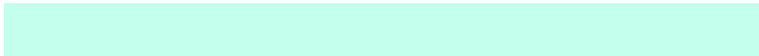
21.4041, 0.3127, 0.3290

Same Dimension

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



90.9369, 0.2917, 0.3447



89.4176, 0.2878, 0.3482



86.2756, 0.2833, 0.3196



20.3810, 0.3021, 0.3364



39.0526, 0.2535, 0.4324



3.8220, 0.2498, 0.4191

Inverse Universe

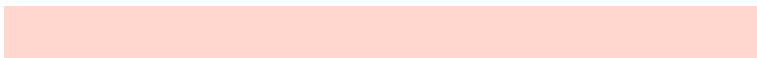
The Inverse Universe completely reimagines the original color for something new.



70.6550, 0.3393, 0.3139



65.7705, 0.3460, 0.3107



74.3351, 0.3490, 0.3382



18.0788, 0.3246, 0.3217



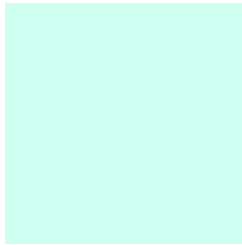
11.4212, 0.5744, 0.2938



1.1306, 0.5424, 0.2762

Previews

White Background



This preview shows how the Yxy color 90.9331, 0.2917, 0.3447 looks on a white background.

Color Contrast Check

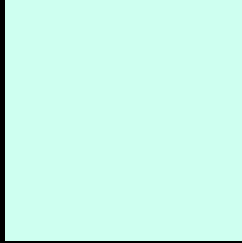
Large Text (above 18pt) WCAG AA × Fail

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 90.9331, 0.2917, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

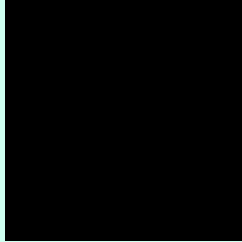
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

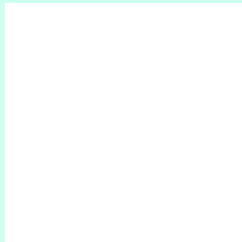
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9331, 0.2917, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 90.9331, 0.2917, 0.3447.

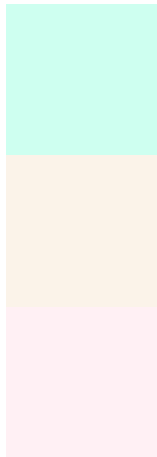


This preview shows how white text looks on a background with the Yxy color 90.9331, 0.2917, 0.3447.

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

90.9331, 0.2917, 0.3447

Protanopia

90.4936, 0.3241, 0.3389

Deuteranopia

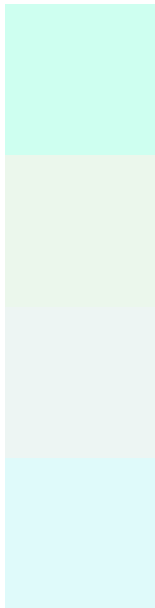
90.1118, 0.3202, 0.3251



Tritanopia

90.8973, 0.2987, 0.3210

Trichromacy



Original Color

90.9331, 0.2917, 0.3447

Protanomaly

90.2398, 0.3116, 0.3401

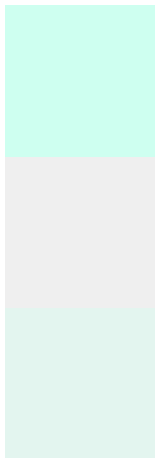
Deuteranomaly

89.7804, 0.3088, 0.3310

Tritanomaly

90.9613, 0.2961, 0.3290

Monochromacy



Original Color

90.9331, 0.2917, 0.3447

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.8677, 0.3048, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9331, 0.2917, 0.3447 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(206, 255, 240)` looks like.

```
.text, #text, p{  
    color:rgb(206, 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(206, 255, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 255, 240) }
```

Border

The CSS property to change the border of an element to Yxy 90.9331, 0.2917, 0.3447 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(206, 255, 240) }
```

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

```
.border{ border-color:rgb(206, 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(206, 255, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 255, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 255, 240);  
box-shadow:4px 4px 4px 4px rgb(206, 255,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9331, 0.2917, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 255, 240) }
```

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

```
.background{ background-color: rgb(206,  
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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