

Converting Colors

$Y_{xy}(103.2135, 0.2911, 0.3595)$

Have a look what the booklet for
Yxy(103.2135, 0.2911, 0.3595)
contains.

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Color

Yxy(91.2565, 0.2906, 0.3415)

Conversions

Conversions Part 1

Format	Color
Hex	CFFFF3
RGB	207, 255, 243
RGB Percent	81%, 100%, 95%
CMY	0.1885, 0.0000, 0.0471
CMYK	0.19, 0.00, 0.05, 0.00
HSL	165°, 100%, 91%
HSV	165°, 19%, 100%
XYZ	77.6549, 91.2565, 98.3112
YIQ	239.2800, -24.7560, -13.9080

Conversions

Conversions Part 2

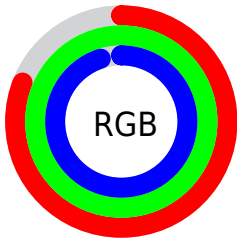
Format	Color
R _Y B	207, 234, 255
Decimal	13631475
CIE Lab	96.52, -17.55, 0.69
CIE LCh	97, 17.568, 177.759
Yxy	91.2565, 0.2906, 0.3415
Android (android.graphics.Color)	4291821555 (0xFFCFFF3)
YUV	239.2800, 1.8340, -28.3096
Hunter-Lab	95.5283, -22.0719, 5.8526

Details

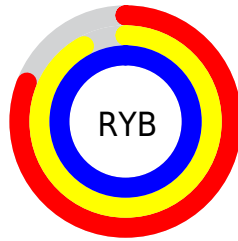
The Yxy color **91.2565, 0.2906, 0.3415** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **70.9645, 0.3408, 0.3169**, and the grayscale version is **86.5284, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6514, 0.2858, 0.3438** is the 20% darker color. If you saturate the color by 10%, you get **87.4890, 0.2799, 0.3490**, and if you desaturate by 10%, it is **95.6108, 0.3021, 0.3346**.

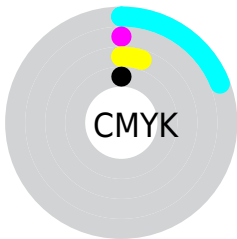
Distribution



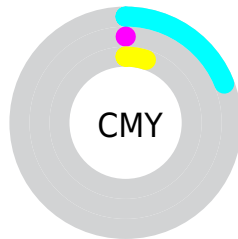
- Red (81%)
- Green (100%)
- Blue (95%)



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



- Cyan (19%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (19%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.2565, 0.2906, 0.3415 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 91.2565, 0.2906, 0.3415 by changing the saturation by 10% instead.

 91.2565, 0.2906,
0.3415

 91.2565, 0.2906,
0.3415

532.1098, 0.3004,
0.3359

 69.0233, 0.2884,
0.3427


149.0825, 0.2939,
0.3396

 50.7306, 0.2858,
0.3442

185.4440, 0.2953,
0.3389

 35.9943, 0.2826,
0.3461

227.2838, 0.2964,
0.3382

 24.4298, 0.2784,
0.3484

274.9862, 0.2974,
0.3377

 15.6527, 0.2730,
0.3515

328.9356, 0.2983,
0.3372

 9.2788, 0.2655,
0.3558

389.5164, 0.2991,

 4.9235, 0.2545,

0.3367

0.3622

457.1130, 0.2998,
0.3363

2.2024, 0.2369,
0.3724

0.7213, 0.1498,
0.4204

91.2565, 0.2906,
0.3415

91.2565, 0.2906,
0.3415

87.4890, 0.2799,
0.3490

95.6108, 0.3021,
0.3346

84.3091, 0.2702,
0.3572

100.0000, 0.3127,
0.3290

81.6761, 0.2619,
0.3658

79.5563, 0.2552,
0.3749

■ 77.9119, 0.2505,
0.3842

■ 76.7000, 0.2477,
0.3936

■ 75.8697, 0.2470,
0.4031

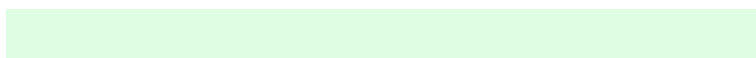
■ 75.3470, 0.2480,
0.4124

■ 75.2957, 0.2482,
0.4134

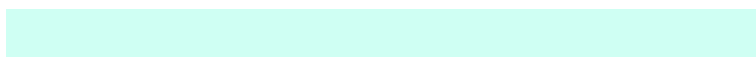
Harmonies

Analogous

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



91.2565, 0.3087, 0.3566



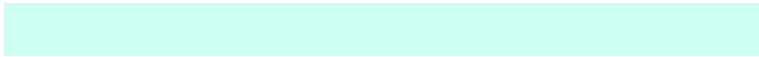
91.2565, 0.2906, 0.3415



91.2565, 0.2786, 0.3232

Triad

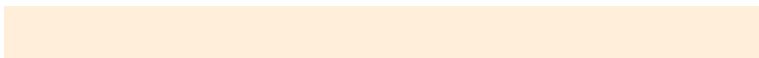
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.2565, 0.2906, 0.3415



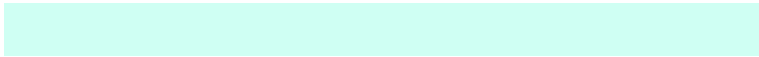
91.2565, 0.2964, 0.2966



91.2565, 0.3515, 0.3492

Complementary

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



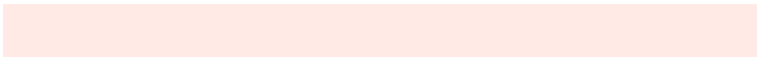
91.2565, 0.2906, 0.3415



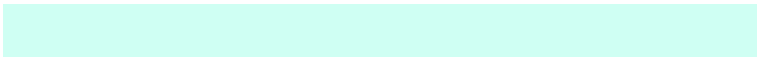
70.9645, 0.3408, 0.3169

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.



91.2565, 0.3481, 0.3332



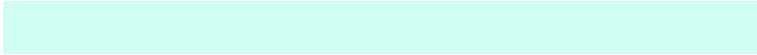
91.2565, 0.2906, 0.3415



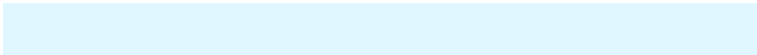
91.2565, 0.3158, 0.3035

Square

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



91.2565, 0.2906, 0.3415



91.2565, 0.2818, 0.2978



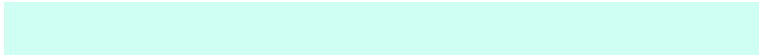
91.2565, 0.3349, 0.3167



91.2565, 0.3441, 0.3605

Rectangle

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



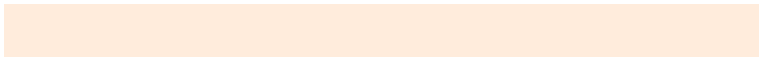
91.2565, 0.2906, 0.3415



91.2565, 0.2754, 0.3120



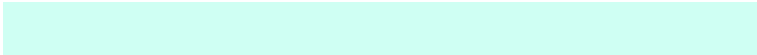
91.2565, 0.3349, 0.3167



91.2565, 0.3516, 0.3441

Sweetspot

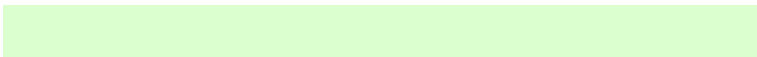
The Sweet Spot groups the original color and five complimentary colors.



91.2467, 0.2906, 0.3415



96.9691, 0.3055, 0.3327



91.0741, 0.3178, 0.3797



20.6878, 0.3047, 0.3331



0.0000, 0.0000, 0.0000



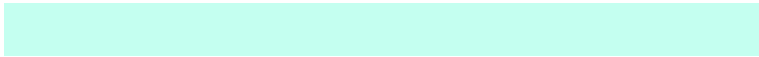
21.4041, 0.3127, 0.3290

Same Dimension

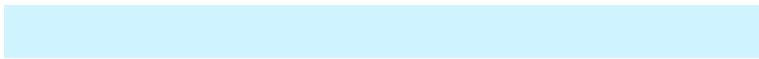
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.2467, 0.2906, 0.3415



89.6151, 0.2860, 0.3445



84.5670, 0.2836, 0.3164



20.3994, 0.3013, 0.3350



39.3688, 0.2478, 0.4119



3.8507, 0.2448, 0.4012

Inverse Universe

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



70.9645, 0.3408, 0.3169



65.6009, 0.3486, 0.3141



76.3987, 0.3476, 0.3413



18.0615, 0.3255, 0.3231



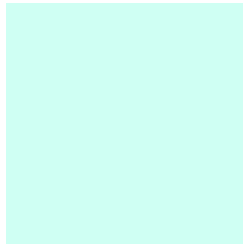
11.3202, 0.5936, 0.3044



1.1188, 0.5622, 0.2871

Previews

White Background



This preview shows how the Yxy color 91.2565, 0.2906, 0.3415 looks on a white background.

Color Contrast Check

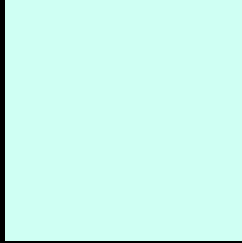
Large Text (above 18pt) WCAG AA × Fail

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 91.2565, 0.2906, 0.3415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

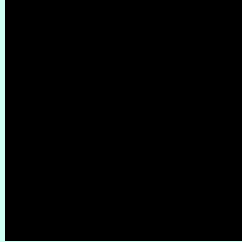
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

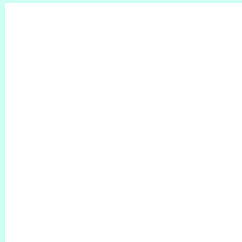
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.2565, 0.2906, 0.3415

Background



This preview shows how black text looks on a background with the Yxy color 91.2565, 0.2906, 0.3415.

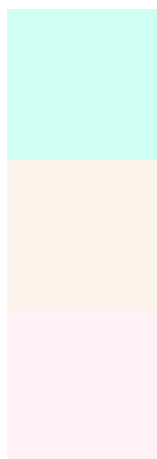


This preview shows how white text looks on a background with the Yxy color 91.2565, 0.2906, 0.3415.

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

91.2565, 0.2906, 0.3415

Protanopia

90.6665, 0.3222, 0.3359

Deuteranopia

90.8244, 0.3188, 0.3242



Tritanopia

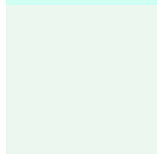
91.0652, 0.2993, 0.3210

Trichromacy



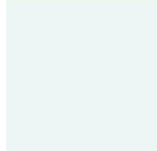
Original Color

91.2565, 0.2906, 0.3415



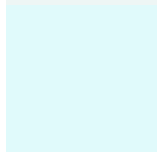
Protanomaly

90.4157, 0.3098, 0.3371



Deuteranomaly

90.6812, 0.3082, 0.3300



Tritanomaly

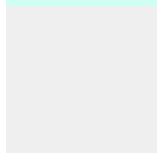
91.1835, 0.2961, 0.3279

Monochromacy



Original Color

91.2565, 0.2906, 0.3415



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.9270, 0.3042, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.2565, 0.2906, 0.3415 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(207, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(207, 255, 243)  
}
```

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(207, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 91.2565, 0.2906, 0.3415 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(207, 255, 243) }
```

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

```
.border{ border-color:rgb(207, 255, 243) }
```

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

Here you see how a box with a 4 pixel rgb(207, 255, 243) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 255, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 255, 243);  
box-shadow:4px 4px 4px 4px rgb(207, 255,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 91.2565, 0.2906, 0.3415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 255, 243) }
```

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

```
.background{ background-color: rgb(207,  
255, 243) }
```

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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