

Converting Colors

$Yxy(90.4902, 0.2873, 0.3412)$

Have a look what the booklet for
Yxy(90.4902, 0.2873, 0.3412)
contains.

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Color

Yxy(90.4086, 0.2872, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	C9FFF3
RGB	201, 255, 243
RGB Percent	79%, 100%, 95%
CMY	0.2120, 0.0000, 0.0470
CMYK	0.21, 0.00, 0.05, 0.00
HSL	167°, 100%, 89%
HSV	167°, 21%, 100%
XYZ	76.0110, 90.4086, 98.2426
YIQ	237.4860, -28.3320, -15.1800

Conversions

Conversions Part 2

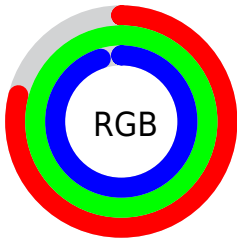
Format	Color
R_{YB}	201, 231, 255
Decimal	13238259
CIE Lab	96.17, -19.37, 0.13
CIE LCh	96, 19.370, 179.618
Yxy	90.4086, 0.2872, 0.3416
Android (android.graphics.Color)	4291428339 (0xFFC9FFF3)
YUV	237.4860, 2.7184, -31.9982
Hunter-Lab	95.0834, -23.7007, 5.2985

Details

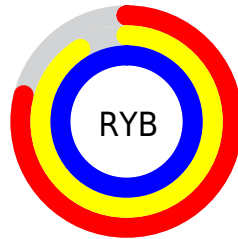
The Yxy color **90.4086, 0.2872, 0.3416** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.8001, 0.3463, 0.3168**, and the grayscale version is **85.0597, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0870, 0.2817, 0.3439** is the 20% darker color. If you saturate the color by 10%, you get **86.8186, 0.2764, 0.3484**, and if you desaturate by 10%, it is **94.5767, 0.2989, 0.3353**.

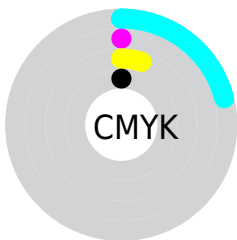
Distribution



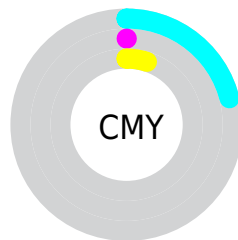
- Red (79%)
- Green (100%)
- Blue (95%)



- Red (79%)
- Yellow (91%)
- Blue (100%)



- Cyan (21%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4086, 0.2872, 0.3416 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 90.4086, 0.2872, 0.3416 by changing the saturation by 10% instead.


 90.4086, 0.2872,
0.3416

 90.4086, 0.2872,
0.3416


529.3591, 0.2985,
0.3360

 68.3196, 0.2847,
0.3428

147.9058, 0.2910,
0.3397

 50.1578, 0.2817,
0.3443


184.0828, 0.2926,
0.3390

 35.5388, 0.2779,
0.3462


225.7246, 0.2939,
0.3383

 24.0782, 0.2732,
0.3485

273.2156, 0.2950,
0.3377

 15.3916, 0.2669,
0.3516

326.9401, 0.2961,
0.3372

 9.0947, 0.2582,
0.3559

387.2826, 0.2970,

 4.8030, 0.2455,

0.3368

0.3622

454.6275, 0.2978,
0.3364

2.1321, 0.2253,
0.3722

0.6826, 0.1105,
0.4286

90.4086, 0.2872,
0.3416

90.4086, 0.2872,
0.3416

86.8186, 0.2764,
0.3484

94.5767, 0.2989,
0.3353


83.8062, 0.2667,
0.3557


99.3783, 0.3112,
0.3296

81.3303, 0.2585,
0.3634


100.0000, 0.3127,
0.3290

79.3563, 0.2521,
0.3714

 77.8456, 0.2476,
0.3796

 76.7537, 0.2451,
0.3879

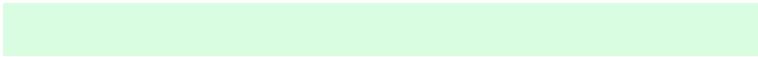
 76.0272, 0.2445,
0.3961

 75.6176, 0.2454,
0.4033

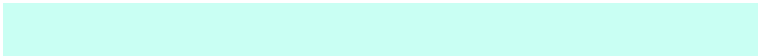
Harmonies

Analogous

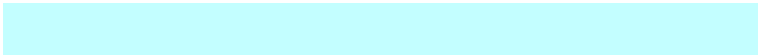
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4086, 0.3069, 0.3588



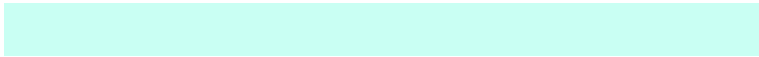
90.4086, 0.2872, 0.3416



90.4086, 0.2745, 0.3212

Triad

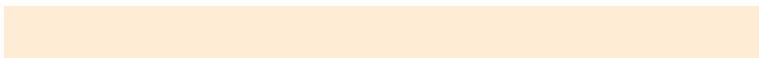
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4086, 0.2872, 0.3416



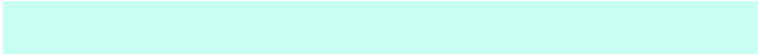
90.4086, 0.2959, 0.2935



90.4086, 0.3555, 0.3522

Complementary

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



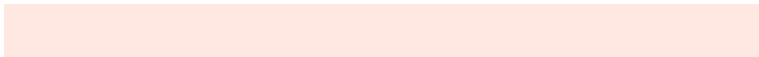
90.4086, 0.2872, 0.3416



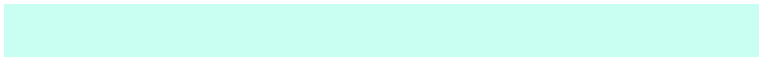
67.8001, 0.3463, 0.3168

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.



90.4086, 0.3525, 0.3346



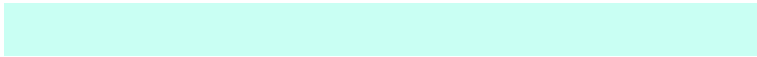
90.4086, 0.2872, 0.3416



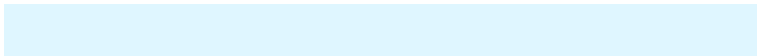
90.4086, 0.3175, 0.3016

Square

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



90.4086, 0.2872, 0.3416



90.4086, 0.2794, 0.2942



90.4086, 0.3384, 0.3164



90.4086, 0.3466, 0.3644

Rectangle

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



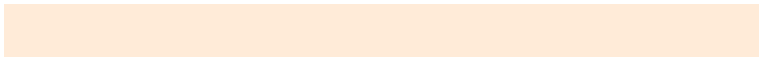
90.4086, 0.2872, 0.3416



90.4086, 0.2714, 0.3090



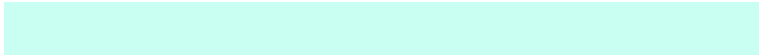
90.4086, 0.3384, 0.3164



90.4086, 0.3558, 0.3467

Sweetspot

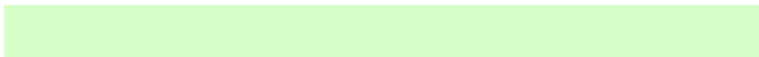
The Sweet Spot groups the original color and five complimentary colors.



90.3991, 0.2872, 0.3416



96.9962, 0.3053, 0.3323



89.9615, 0.3178, 0.3869



20.6942, 0.3045, 0.3327



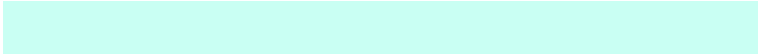
0.0000, 0.0000, 0.0000



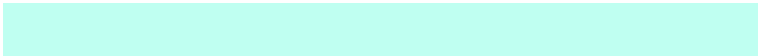
21.4041, 0.3127, 0.3290

Same Dimension

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



90.3991, 0.2872, 0.3416



88.9713, 0.2830, 0.3441



82.2904, 0.2800, 0.3137



20.4084, 0.3010, 0.3343



39.5353, 0.2450, 0.4020



3.8656, 0.2424, 0.3926

Inverse Universe

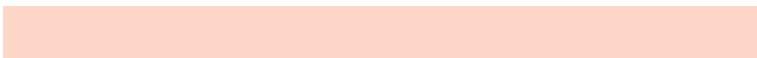
The Inverse Universe completely reimagines the original color for something new.



67.8001, 0.3463, 0.3168



63.0574, 0.3541, 0.3145



74.2518, 0.3527, 0.3438



18.0530, 0.3259, 0.3237



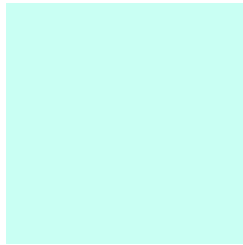
11.2790, 0.6020, 0.3090



1.1137, 0.5713, 0.2921

Previews

White Background



This preview shows how the Yxy color 90.4086, 0.2872, 0.3416 looks on a white background.

Color Contrast Check

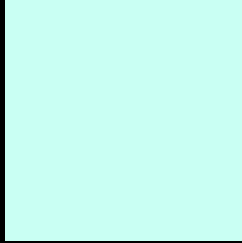
Large Text (above 18pt) WCAG AA × Fail

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 90.4086, 0.2872, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

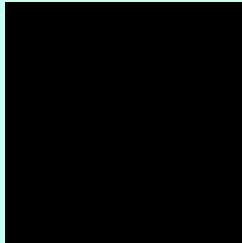
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

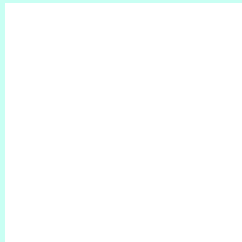
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4086, 0.2872, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 90.4086, 0.2872, 0.3416.

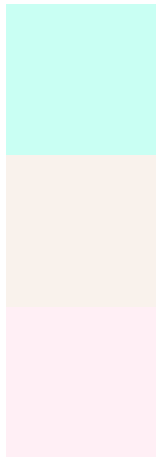


This preview shows how white text looks on a background with the Yxy color 90.4086, 0.2872, 0.3416.

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

90.4086, 0.2872, 0.3416

Protanopia

89.7001, 0.3210, 0.3350

Deuteranopia

89.5856, 0.3196, 0.3232



Tritanopia

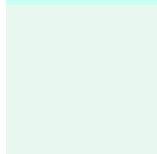
89.7895, 0.2969, 0.3199

Trichromacy



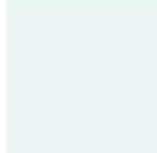
Original Color

90.4086, 0.2872, 0.3416



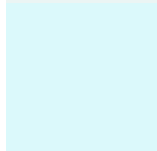
Protanomaly

89.9093, 0.3079, 0.3371



Deuteranomaly

89.4986, 0.3069, 0.3300



Tritanomaly

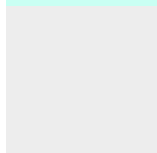
89.7765, 0.2931, 0.3269

Monochromacy



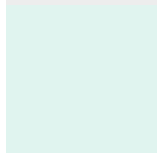
Original Color

90.4086, 0.2872, 0.3416



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.7807, 0.3029, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4086, 0.2872, 0.3416 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(201, 255, 243)` looks like.

```
.text, #text, p{  
    color:rgb(201, 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(201, 255, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 243) }
```

Border

The CSS property to change the border of an element to Yxy 90.4086, 0.2872, 0.3416 is called "border". The border property can be set on classes, ids or directly on the HTML element.

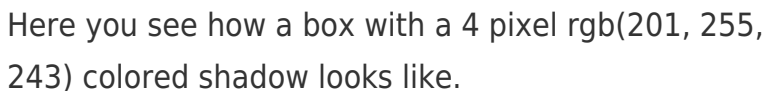
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(201, 255, 243) }
```

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

```
.border{ border-color:rgb(201, 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(201, 255, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(201, 255, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(201, 255, 243); box-shadow:4px 4px 4px 4px rgb(201, 255, 243) }
```


Background

The CSS property to change the background color of an element to Yxy 90.4086, 0.2872, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 243) }
```

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

```
.background{ background-color: rgb(201,  
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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