

Converting Colors

$Yxy(90.2878, 0.2861, 0.3407)$

Have a look what the booklet for
Yxy(90.2878, 0.2861, 0.3407)
contains.

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Color

Yxy(90.3310, 0.2862, 0.3405)

Conversions

Conversions Part 1

Format	Color
Hex	C8FFF4
RGB	200, 255, 244
RGB Percent	78%, 100%, 96%
CMY	0.2154, 0.0001, 0.0431
CMYK	0.22, 0.00, 0.04, 0.00
HSL	168°, 100%, 89%
HSV	168°, 22%, 100%
XYZ	75.9258, 90.3310, 99.0325
YIQ	237.3010, -29.2490, -15.0810

Conversions

Conversions Part 2

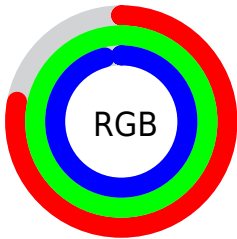
Format	Color
R_{YB}	200, 231, 255
Decimal	13172724
CIE _{Lab}	96.13, -19.40, -0.44
CIE _{LCh}	96, 19.410, 181.307
Yxy	90.3310, 0.2862, 0.3405
Android (android.graphics.Color)	4291362804 (0xFFC8FFF4)
YUV	237.3010, 3.3026, -32.7130
Hunter-Lab	95.0426, -23.7280, 4.7509

Details

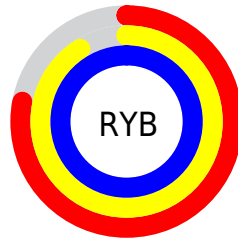
The Yxy color **90.3310, 0.2862, 0.3405** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **67.3095, 0.3479, 0.3179**, and the grayscale version is **84.9371, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0387, 0.2803, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **86.8046, 0.2752, 0.3466**, and if you desaturate by 10%, it is **94.4590, 0.2982, 0.3349**.

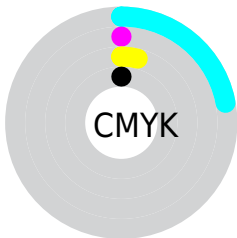
Distribution



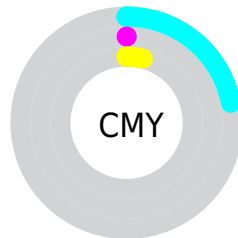
- Red (78%)
- Green (100%)
- Blue (96%)



- Red (78%)
- Yellow (91%)
- Blue (100%)



- Cyan (22%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)





- Cyan (22%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3310, 0.2862, 0.3405 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 90.3310, 0.2862, 0.3405 by changing the saturation by 10% instead.


 90.3310, 0.2862,
0.3405

 90.3310, 0.2862,
0.3405

529.1070, 0.2980,
0.3354

 68.2552, 0.2836,
0.3416

147.7981, 0.2902,
0.3388

 50.1054, 0.2805,
0.3430


183.9582, 0.2918,
0.3381

 35.4971, 0.2766,
0.3446


225.5818, 0.2931,
0.3375

 24.0461, 0.2716,
0.3468

273.0534, 0.2943,
0.3370

 15.3678, 0.2651,
0.3495

326.7573, 0.2954,
0.3365

 9.0779, 0.2562,
0.3534

387.0779, 0.2964,

 4.7920, 0.2431,

0.3361

0.3589

454.3997, 0.2972,
0.3357

■ 2.1258, 0.2222,
0.3677

■ 0.6791, 0.1059,
0.4189

■ 90.3310, 0.2862,
0.3405

■ 90.3310, 0.2862,
0.3405

■ 86.8046, 0.2752,
0.3466

■ 94.4590, 0.2982,
0.3349

■ 83.8395, 0.2653,
0.3532

■ 99.2044, 0.3107,
0.3297


■ 81.4079, 0.2570,
0.3600


■ 99.9916, 0.3127,
0.3290

■ 79.4750, 0.2505,
0.3672

 78.0022, 0.2458,
0.3745

 76.9447, 0.2432,
0.3819

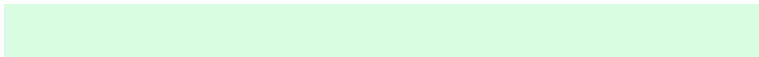
 76.2487, 0.2425,
0.3893

 75.8728, 0.2432,
0.3954

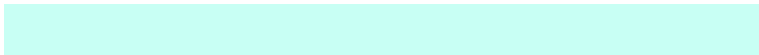
Harmonies

Analogous

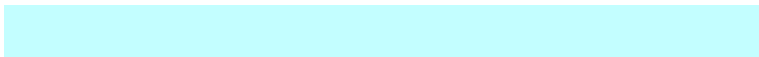
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3310, 0.3057, 0.3581



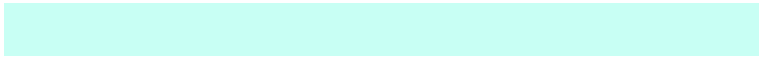
90.3310, 0.2862, 0.3405



90.3310, 0.2740, 0.3201

Triad

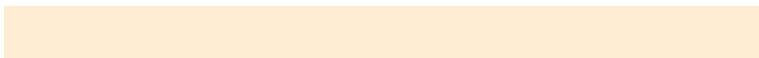
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3310, 0.2862, 0.3405



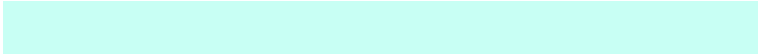
90.3310, 0.2970, 0.2937



90.3310, 0.3554, 0.3531

Complementary

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



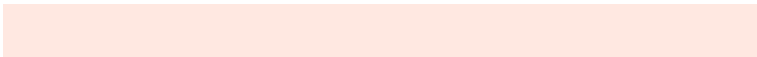
90.3310, 0.2862, 0.3405



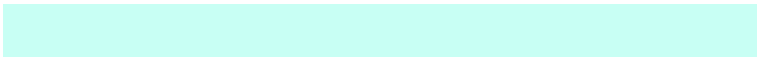
67.3095, 0.3479, 0.3179

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.



90.3310, 0.3531, 0.3357



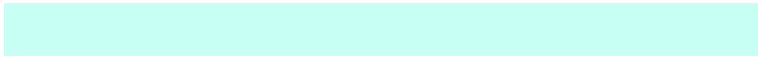
90.3310, 0.2862, 0.3405



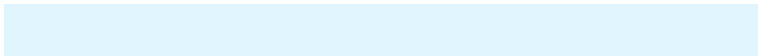
90.3310, 0.3187, 0.3023

Square

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



90.3310, 0.2862, 0.3405



90.3310, 0.2800, 0.2938



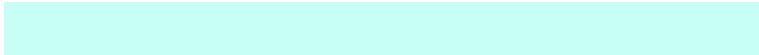
90.3310, 0.3395, 0.3174



90.3310, 0.3459, 0.3649

Rectangle

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



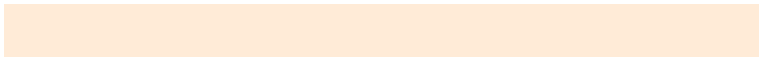
90.3310, 0.2862, 0.3405



90.3310, 0.2713, 0.3081



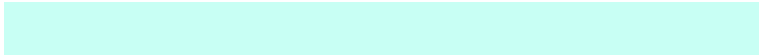
90.3310, 0.3395, 0.3174



90.3310, 0.3560, 0.3477

Sweetspot

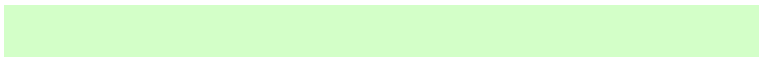
The Sweet Spot groups the original color and five complimentary colors.



90.3347, 0.2862, 0.3405



97.0174, 0.3051, 0.3320



89.5436, 0.3167, 0.3881



20.6992, 0.3042, 0.3323



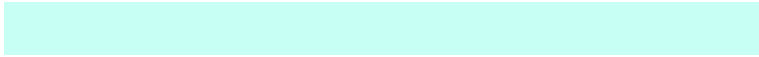
0.0000, 0.0000, 0.0000



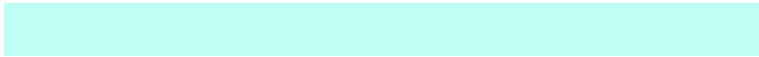
21.4041, 0.3127, 0.3290

Same Dimension

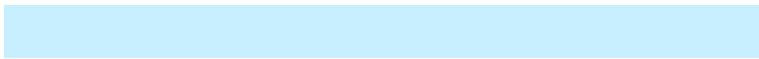
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3347, 0.2862, 0.3405



88.6964, 0.2811, 0.3432



80.9592, 0.2793, 0.3114



20.4156, 0.3007, 0.3338



39.6717, 0.2428, 0.3942



3.8778, 0.2405, 0.3859

Inverse Universe

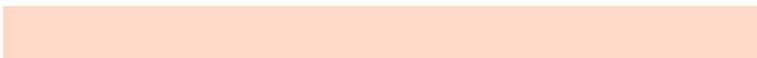
The Inverse Universe completely reimagines the original color for something new.



67.3095, 0.3479, 0.3179



61.7881, 0.3575, 0.3154



74.8270, 0.3531, 0.3459



18.0464, 0.3263, 0.3243



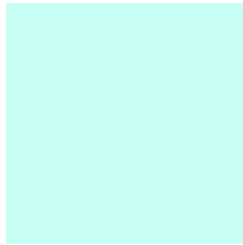
11.2502, 0.6080, 0.3123



1.1100, 0.5783, 0.2959

Previews

White Background



This preview shows how the Yxy color 90.3310, 0.2862, 0.3405 looks on a white background.

Color Contrast Check

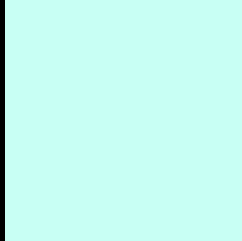
Large Text (above 18pt) WCAG AA × Fail

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 90.3310, 0.2862, 0.3405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

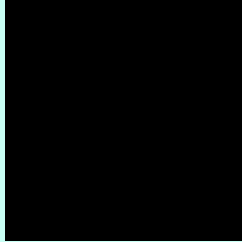
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

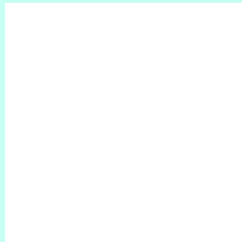
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3310, 0.2862, 0.3405

Background



This preview shows how black text looks on a background with the Yxy color 90.3310, 0.2862, 0.3405.

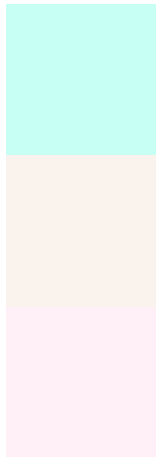


This preview shows how white text looks on a background with the Yxy color 90.3310, 0.2862, 0.3405.

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

90.3310, 0.2862, 0.3405

Protanopia

89.7584, 0.3204, 0.3340

Deuteranopia

89.6468, 0.3190, 0.3222



Tritanopia

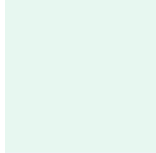
89.7895, 0.2969, 0.3199

Trichromacy



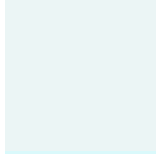
Original Color

90.3310, 0.2862, 0.3405



Protanomaly

89.8017, 0.3067, 0.3361



Deuteranomaly

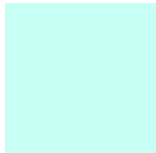
89.5596, 0.3063, 0.3290



Tritanomaly

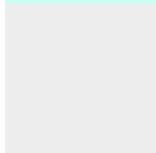
89.6218, 0.2925, 0.3269

Monochromacy



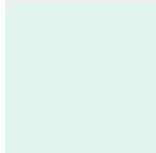
Original Color

90.3310, 0.2862, 0.3405



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8399, 0.3023, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3310, 0.2862, 0.3405 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(200, 255, 244)` looks like.

```
.text, #text, p{  
    color:rgb(200, 255, 244)  
}
```

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(200, 255, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 255, 244) }
```

Border

The CSS property to change the border of an element to Yxy 90.3310, 0.2862, 0.3405 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(200, 255, 244) }
```

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

```
.border{ border-color:rgb(200, 255, 244) }
```

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

Here you see how a box with a 4 pixel rgb(200, 255, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 255, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 255, 244);  
box-shadow:4px 4px 4px 4px rgb(200, 255,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3310, 0.2862, 0.3405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 255, 244) }
```

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

```
.background{ background-color: rgb(200,  
255, 244) }
```

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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