

Converting Colors

$Yxy(90.4303, 0.2888, 0.3436)$

Have a look what the booklet for
Yxy(90.4303, 0.2888, 0.3436)
contains.

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Color

Yxy(90.4274, 0.2889, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	CAFFF1
RGB	202, 255, 241
RGB Percent	79%, 100%, 95%
CMY	0.2075, 0.0000, 0.0549
CMYK	0.21, 0.00, 0.05, 0.00
HSL	164°, 100%, 90%
HSV	164°, 21%, 100%
XYZ	76.0095, 90.4274, 96.6629
YIQ	237.5570, -27.0940, -15.5900

Conversions

Conversions Part 2

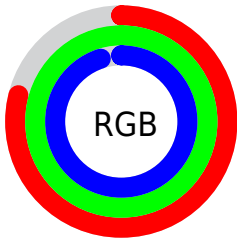
Format	Color
R_{YB}	202, 233, 255
Decimal	13303793
CIE _{Lab}	96.17, -19.41, 1.18
CIE _{LCh}	96, 19.442, 176.509
Y _{xy}	90.4274, 0.2889, 0.3437
Android (android.graphics.Color)	4291493873 (0xFFCAFFF1)
YUV	237.5570, 1.6974, -31.1835
Hunter-Lab	95.0933, -23.7356, 6.2967

Details

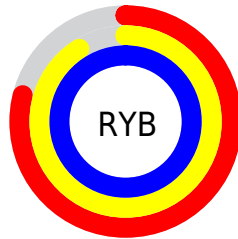
The Yxy color **90.4274, 0.2889, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.4988, 0.3437, 0.3148**, and the grayscale version is **85.1554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0940, 0.2837, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **86.7658, 0.2785, 0.3518**, and if you desaturate by 10%, it is **94.6992, 0.3001, 0.3362**.

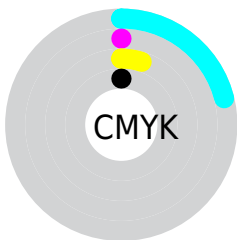
Distribution



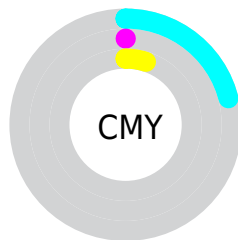
- Red (79%)
- Green (100%)
- Blue (95%)



- 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 90.4274, 0.2889, 0.3437 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 90.4274, 0.2889, 0.3437 by changing the saturation by 10% instead.


 90.4274, 0.2889,
0.3437

 90.4274, 0.2889,
0.3437


529.4202, 0.2995,
0.3371

 68.3352, 0.2866,
0.3451


147.9319, 0.2925,
0.3415

 50.1705, 0.2837,
0.3469

184.1130, 0.2939,
0.3406

 35.5489, 0.2802,
0.3491


225.7592, 0.2952,
0.3398

 24.0860, 0.2757,
0.3519

273.2549, 0.2962,
0.3392

 15.3974, 0.2698,
0.3557

326.9844, 0.2972,
0.3386

 9.0988, 0.2616,
0.3608

387.3322, 0.2981,

 4.8057, 0.2496,

0.3380

454.6827, 0.2988,
0.3376

0.3685

2.1337, 0.2303,
0.3809

0.6835, 0.1157,
0.4494

90.4274, 0.2889,
0.3437

90.4274, 0.2889,
0.3437

86.7658, 0.2785,
0.3518

94.6992, 0.3001,
0.3362

83.6741, 0.2692,
0.3606

99.5968, 0.3118,
0.3295

81.1247, 0.2613,
0.3699

99.9926, 0.3127,
0.3290

79.0830, 0.2552,
0.3796

■ 77.5105, 0.2509,
0.3896

■ 76.3629, 0.2487,
0.3996

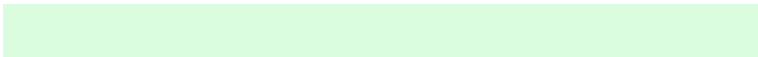
■ 75.5874, 0.2484,
0.4097

■ 75.1241, 0.2497,
0.4188

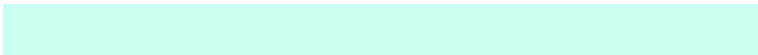
Harmonies

Analogous

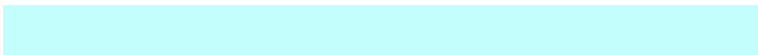
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4274, 0.3091, 0.3603



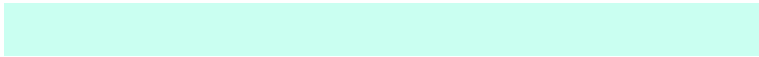
90.4274, 0.2889, 0.3437



90.4274, 0.2753, 0.3233

Triad

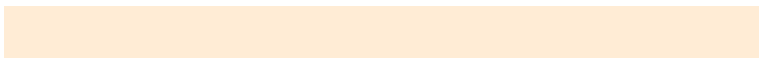
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.4274, 0.2889, 0.3437



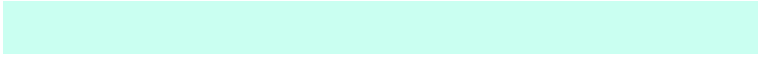
90.4274, 0.2938, 0.2930



90.4274, 0.3559, 0.3506

Complementary

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



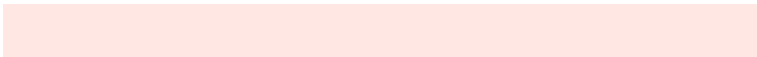
90.4274, 0.2889, 0.3437



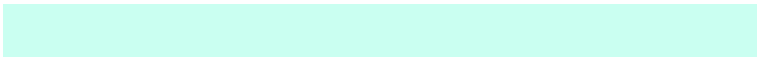
68.4988, 0.3437, 0.3148

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.



90.4274, 0.3516, 0.3327



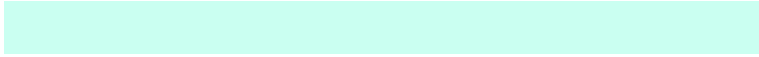
90.4274, 0.2889, 0.3437



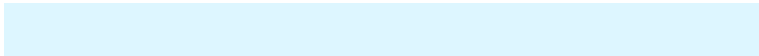
90.4274, 0.3152, 0.3003

Square

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



90.4274, 0.2889, 0.3437



90.4274, 0.2780, 0.2946



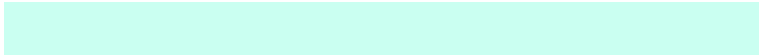
90.4274, 0.3365, 0.3146



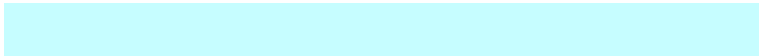
90.4274, 0.3481, 0.3636

Rectangle

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



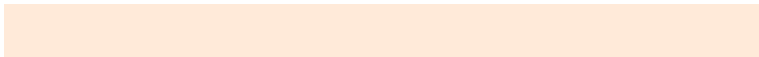
90.4274, 0.2889, 0.3437



90.4274, 0.2715, 0.3107



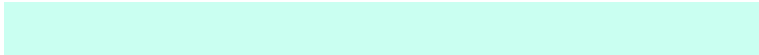
90.4274, 0.3365, 0.3146



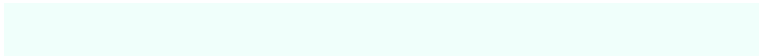
90.4274, 0.3558, 0.3449

Sweetspot

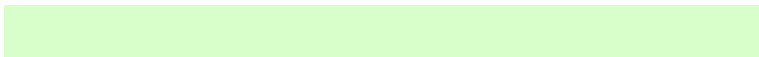
The Sweet Spot groups the original color and five complimentary colors.



90.4311, 0.2889, 0.3437



96.9549, 0.3056, 0.3329



90.4086, 0.3188, 0.3853



20.6844, 0.3049, 0.3334



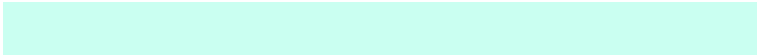
0.0000, 0.0000, 0.0000



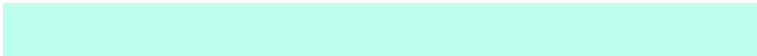
21.4041, 0.3127, 0.3290

Same Dimension

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



90.4311, 0.2889, 0.3437



88.8101, 0.2844, 0.3471



83.6751, 0.2808, 0.3159



20.3946, 0.3015, 0.3354



39.2840, 0.2492, 0.4172



3.8430, 0.2461, 0.4058

Inverse Universe

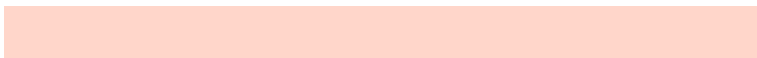
The Inverse Universe completely reimagines the original color for something new.



68.4988, 0.3437, 0.3148



63.1902, 0.3519, 0.3117



73.8352, 0.3520, 0.3417



18.0659, 0.3252, 0.3227



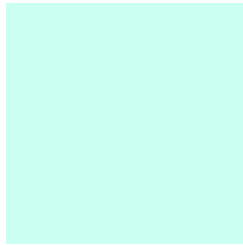
11.3441, 0.5889, 0.3018



1.1217, 0.5572, 0.2843

Previews

White Background



This preview shows how the Yxy color 90.4274, 0.2889, 0.3437 looks on a white background.

Color Contrast Check

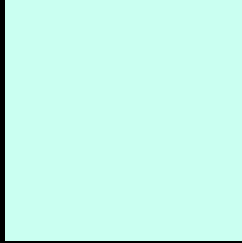
Large Text (above 18pt) WCAG AA × Fail

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 90.4274, 0.2889, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

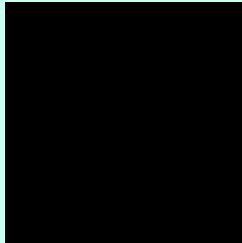
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

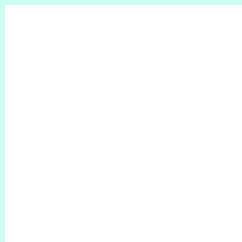
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.4274, 0.2889, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 90.4274, 0.2889, 0.3437.

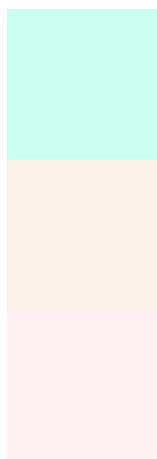


This preview shows how white text looks on a background with the Yxy color 90.4274, 0.2889, 0.3437.

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

90.4274, 0.2889, 0.3437

Protanopia

89.7688, 0.3229, 0.3369

Deuteranopia

90.1118, 0.3202, 0.3251



Tritanopia

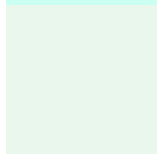
89.9545, 0.2975, 0.3199

Trichromacy



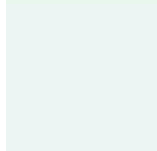
Original Color

90.4274, 0.2889, 0.3437



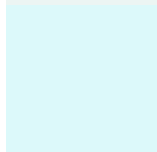
Protanomaly

89.9596, 0.3097, 0.3391



Deuteranomaly

89.6087, 0.3081, 0.3310



Tritanomaly

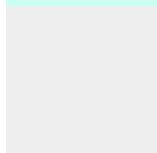
89.8691, 0.2943, 0.3279

Monochromacy



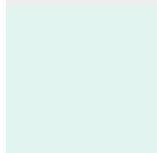
Original Color

90.4274, 0.2889, 0.3437



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9409, 0.3035, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4274, 0.2889, 0.3437 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(202, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(202, 255, 241)  
}
```

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(202, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 90.4274, 0.2889, 0.3437 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(202, 255, 241) }
```

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

```
.border{ border-color:rgb(202, 255, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(202, 255,  
241) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.4274, 0.2889, 0.3437$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 255, 241) }
```

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

```
.background{ background-color: rgb(202,  
255, 241) }
```

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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