

Converting Colors

$Yxy(90.5162, 0.2892, 0.3436)$

Have a look what the booklet for
Yxy(90.5162, 0.2892, 0.3436)
contains.

Yxy(90.5674, 0.2894, 0.3437)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.5674, 0.2894, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	CBFFF1
RGB	203, 255, 241
RGB Percent	80%, 100%, 95%
CMY	0.2040, 0.0000, 0.0549
CMYK	0.20, 0.00, 0.05, 0.00
HSL	164°, 100%, 90%
HSV	164°, 20%, 100%
XYZ	76.2590, 90.5674, 96.6808
YIQ	237.8560, -26.4980, -15.3780

Conversions

Conversions Part 2

Format	Color
R_{YB}	203, 233, 255
Decimal	13369329
CIE _{Lab}	96.23, -19.15, 1.27
CIE _{LCh}	96, 19.190, 176.200
Yxy	90.5674, 0.2894, 0.3437
Android (android.graphics.Color)	4291559409 (0xFFC _B FFF1)
YUV	237.8560, 1.5500, -30.5687
Hunter-Lab	95.1669, -23.5068, 6.3837

Details

The Yxy color **90.5674, 0.2894, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **68.9652, 0.3429, 0.3148**, and the grayscale version is **85.3778, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1868, 0.2843, 0.3467** is the 20% darker color. If you saturate the color by 10%, you get **86.8709, 0.2790, 0.3520**, and if you desaturate by 10%, it is **94.8595, 0.3006, 0.3361**.

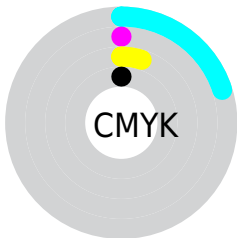
Distribution



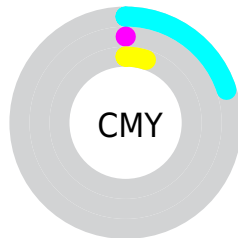
- Red (80%)
- Green (100%)
- Blue (95%)



- Red (80%)
- Yellow (91%)
- Blue (100%)



- Cyan (20%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)




- Cyan (20%)
- Magenta (0%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5674, 0.2894, 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 90.5674, 0.2894, 0.3437 by changing the saturation by 10% instead.


 90.5674, 0.2894,
0.3437

 90.5674, 0.2894,
0.3437

529.8749, 0.2998,
0.3371

 68.4513, 0.2871,
0.3451

148.1263, 0.2929,
0.3415

 50.2650, 0.2843,
0.3469


184.3379, 0.2943,
0.3406

 35.6240, 0.2809,
0.3491


226.0168, 0.2955,
0.3398

 24.1440, 0.2765,
0.3519

273.5474, 0.2966,
0.3391

 15.4404, 0.2707,
0.3557

327.3142, 0.2975,
0.3386

 9.1291, 0.2627,
0.3608


387.7014, 0.2984,


 4.8255, 0.2509,

0.3380

0.3685


455.0935, 0.2991,
0.3376


 2.1452, 0.2321,
0.3810

 0.6899, 0.1222,
0.4479

 90.5674, 0.2894,
0.3437


 90.5674, 0.2894,
0.3437

 86.8709, 0.2790,
0.3520


 94.8595, 0.3006,
0.3361

 83.7539, 0.2697,
0.3608

99.7871, 0.3122,
0.3293

 81.1809, 0.2619,
0.3703

100.0000, 0.3127,
0.3290

 79.1174, 0.2557,
0.3802

■ 77.5251, 0.2514,
0.3903

■ 76.3599, 0.2491,
0.4006

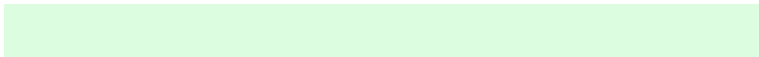
■ 75.5692, 0.2488,
0.4108

■ 75.0820, 0.2501,
0.4205

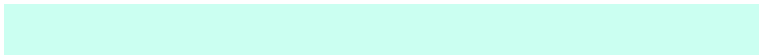
Harmonies

Analogous

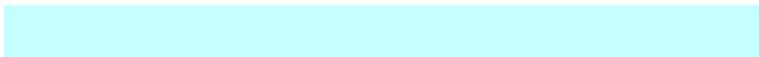
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5674, 0.3094, 0.3600



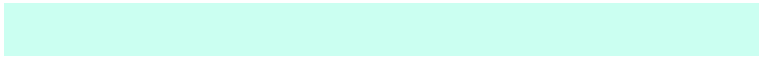
90.5674, 0.2894, 0.3437



90.5674, 0.2758, 0.3235

Triad

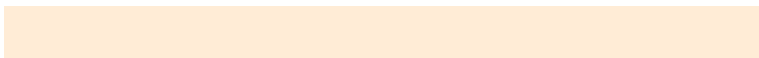
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5674, 0.2894, 0.3437



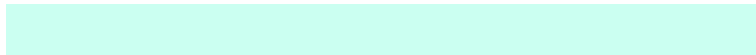
90.5674, 0.2939, 0.2935



90.5674, 0.3553, 0.3501

Complementary

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



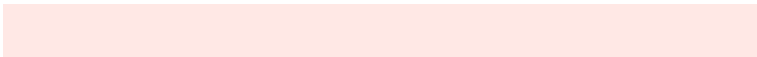
90.5674, 0.2894, 0.3437



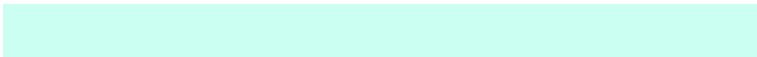
68.9652, 0.3429, 0.3148

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.



90.5674, 0.3510, 0.3325



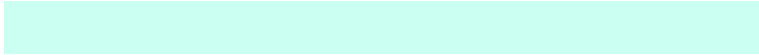
90.5674, 0.2894, 0.3437



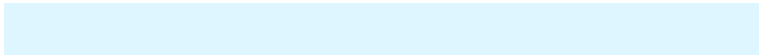
90.5674, 0.3149, 0.3006

Square

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



90.5674, 0.2894, 0.3437



90.5674, 0.2783, 0.2952



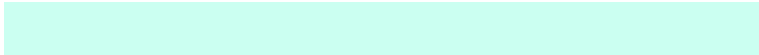
90.5674, 0.3360, 0.3146



90.5674, 0.3478, 0.3630

Rectangle

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



90.5674, 0.2894, 0.3437



90.5674, 0.2720, 0.3111



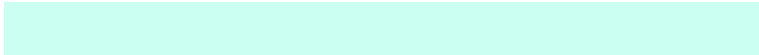
90.5674, 0.3360, 0.3146



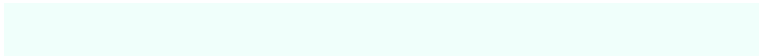
90.5674, 0.3552, 0.3446

Sweetspot

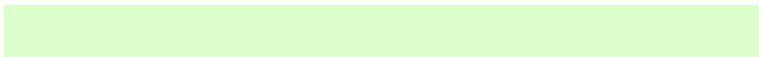
The Sweet Spot groups the original color and five complimentary colors.



90.5631, 0.2894, 0.3437



96.9505, 0.3057, 0.3330



90.6912, 0.3192, 0.3842



20.6834, 0.3049, 0.3335



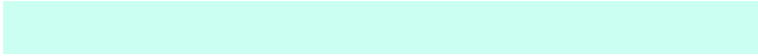
0.0000, 0.0000, 0.0000



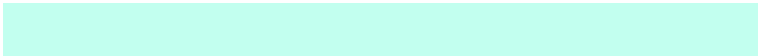
21.4041, 0.3127, 0.3290

Same Dimension

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



90.5631, 0.2894, 0.3437



89.1674, 0.2856, 0.3466



84.4491, 0.2814, 0.3171



20.3931, 0.3016, 0.3355



39.2582, 0.2497, 0.4188



3.8407, 0.2465, 0.4072

Inverse Universe

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



68.9652, 0.3429, 0.3148



64.4210, 0.3497, 0.3122



73.7861, 0.3514, 0.3406



18.0673, 0.3252, 0.3226



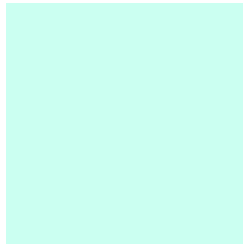
11.3519, 0.5874, 0.3010



1.1226, 0.5556, 0.2835

Previews

White Background



This preview shows how the Yxy color 90.5674, 0.2894, 0.3437 looks on a white background.

Color Contrast Check

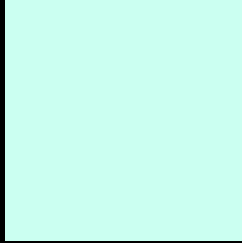
Large Text (above 18pt) WCAG AA × Fail

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 90.5674, 0.2894, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

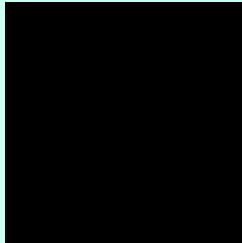
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

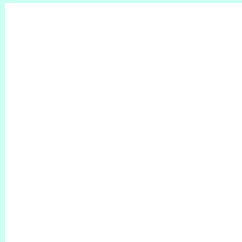
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5674, 0.2894, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 90.5674, 0.2894, 0.3437.

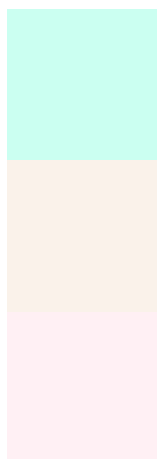


This preview shows how white text looks on a background with the Yxy color 90.5674, 0.2894, 0.3437.

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

90.5674, 0.2894, 0.3437

Protanopia

89.7688, 0.3229, 0.3369

Deuteranopia

90.1118, 0.3202, 0.3251



Tritanopia

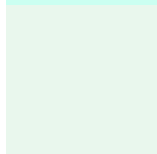
89.9545, 0.2975, 0.3199

Trichromacy



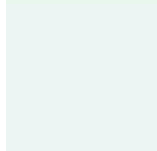
Original Color

90.5674, 0.2894, 0.3437



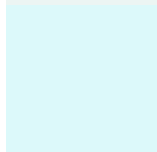
Protanomaly

89.9596, 0.3097, 0.3391



Deuteranomaly

89.6087, 0.3081, 0.3310



Tritanomaly

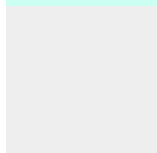
89.8691, 0.2943, 0.3279

Monochromacy



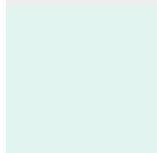
Original Color

90.5674, 0.2894, 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 90.5674, 0.2894, 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(203, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(203, 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(203, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 90.5674, 0.2894, 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(203, 255, 241) }
```

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

```
.border{ border-color:rgb(203, 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(203, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 255, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 255, 241);  
box-shadow:4px 4px 4px 4px rgb(203, 255,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5674, 0.2894, 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(203, 255, 241) }
```

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

```
.background{ background-color: rgb(203,  
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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