

Converting Colors

$Yxy(90.6845, 0.2902, 0.3441)$

Have a look what the booklet for
Yxy(90.6845, 0.2902, 0.3441)
contains.

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Color

Yxy(90.7082, 0.2900, 0.3437)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFF1
RGB	204, 255, 241
RGB Percent	80%, 100%, 95%
CMY	0.2000, 0.0000, 0.0550
CMYK	0.20, 0.00, 0.05, 0.00
HSL	163°, 100%, 90%
HSV	163°, 20%, 100%
XYZ	76.5359, 90.7082, 96.6727
YIQ	238.1550, -25.9020, -15.1660

Conversions

Conversions Part 2

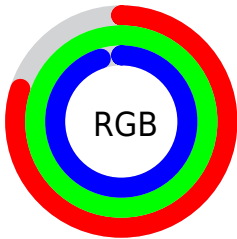
Format	Color
RYB	204, 234, 255
Decimal	13434865
CIELab	96.29, -18.84, 1.38
CIElCh	96, 18.887, 175.818
Yxy	90.7082, 0.2900, 0.3437
Android (android.graphics.Color)	4291624945 (0xFFCCFFF1)
YUV	238.1550, 1.4026, -29.9539
Hunter-Lab	95.2409, -23.2283, 6.4872

Details

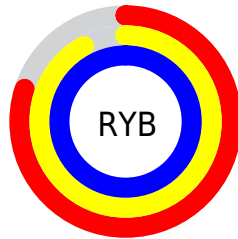
The Yxy color **90.7082, 0.2900, 0.3437** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.5104, 0.3419, 0.3148**, and the grayscale version is **85.6280, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2805, 0.2850, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **86.9829, 0.2797, 0.3521**, and if you desaturate by 10%, it is **95.0374, 0.3011, 0.3360**.

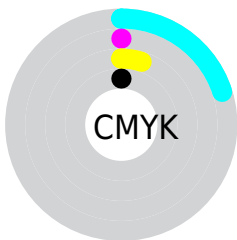
Distribution



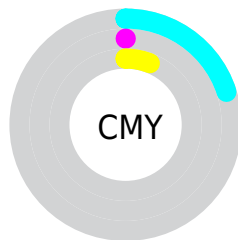
- Red (80%)
- Green (100%)
- Blue (95%)



- Red (80%)
- Yellow (92%)
- Blue (100%)



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





- Cyan (20%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7082, 0.2900, 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 90.7082, 0.2900, 0.3437 by changing the saturation by 10% instead.


 90.7082, 0.2900,
0.3437

 90.7082, 0.2900,
0.3437

530.3319, 0.3001,
0.3371

 68.5682, 0.2878,
0.3451


148.3217, 0.2934,
0.3415

 50.3601, 0.2851,
0.3469


184.5640, 0.2948,
0.3406

 35.6996, 0.2817,
0.3491


226.2758, 0.2960,
0.3398

 24.2023, 0.2774,
0.3519

273.8416, 0.2970,
0.3391

 15.4837, 0.2718,
0.3557

327.6457, 0.2979,
0.3386

 9.1596, 0.2640,
0.3609

388.0725, 0.2987,

 4.8454, 0.2525,

0.3380

0.3685

455.5065, 0.2995,
0.3376

■ 2.1569, 0.2341,
0.3810

■ 0.6963, 0.1295,
0.4463

■ 90.7082, 0.2900,
0.3437

■ 90.7082, 0.2900,
0.3437

■ 86.9829, 0.2797,
0.3521

■ 95.0374, 0.3011,
0.3360

■ 83.8358, 0.2704,
0.3612

100.0000, 0.3127,
0.3290

■ 81.2347, 0.2625,
0.3709

■ 79.1452, 0.2563,
0.3810

■ 77.5291, 0.2519,
0.3913

■ 76.3427, 0.2496,
0.4019

■ 75.5338, 0.2493,
0.4123

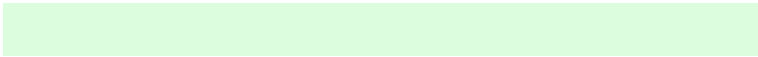
■ 75.0174, 0.2507,
0.4227

■ 75.0174, 0.2507,
0.4227

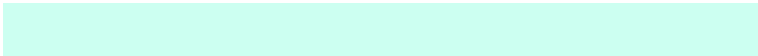
Harmonies

Analogous

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



90.7082, 0.3098, 0.3596



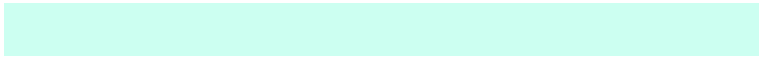
90.7082, 0.2900, 0.3437



90.7082, 0.2765, 0.3239

Triad

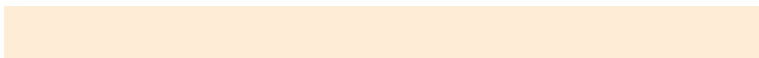
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7082, 0.2900, 0.3437



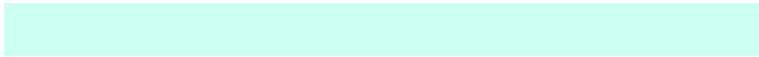
90.7082, 0.2939, 0.2940



90.7082, 0.3546, 0.3496

Complementary

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



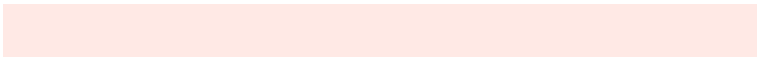
90.7082, 0.2900, 0.3437



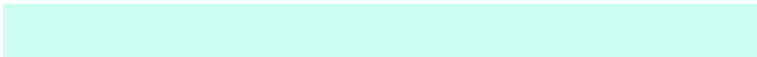
69.5104, 0.3419, 0.3148

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.



90.7082, 0.3502, 0.3322



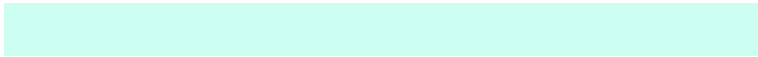
90.7082, 0.2900, 0.3437



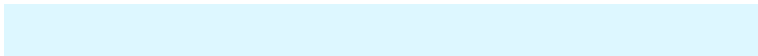
90.7082, 0.3146, 0.3009

Square

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



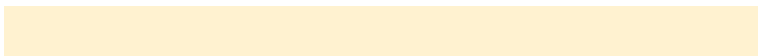
90.7082, 0.2900, 0.3437



90.7082, 0.2787, 0.2958



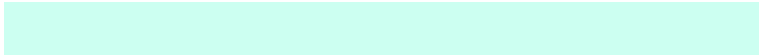
90.7082, 0.3354, 0.3147



90.7082, 0.3474, 0.3624

Rectangle

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



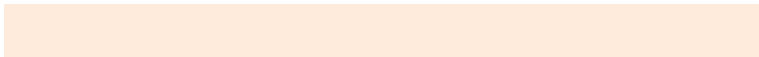
90.7082, 0.2900, 0.3437



90.7082, 0.2727, 0.3116



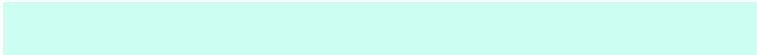
90.7082, 0.3354, 0.3147



90.7082, 0.3545, 0.3441

Sweetspot

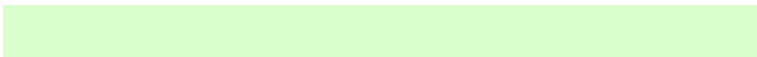
The Sweet Spot groups the original color and five complimentary colors.



90.7071, 0.2900, 0.3437



96.9447, 0.3057, 0.3331



90.8549, 0.3191, 0.3830



20.6820, 0.3050, 0.3336



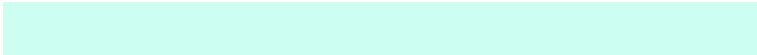
0.0000, 0.0000, 0.0000



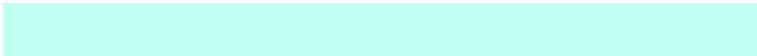
21.4041, 0.3127, 0.3290

Same Dimension

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



90.7071, 0.2900, 0.3437



89.1459, 0.2858, 0.3470



84.7294, 0.2820, 0.3173



20.3912, 0.3017, 0.3356



39.2247, 0.2503, 0.4210



3.8376, 0.2470, 0.4091

Inverse Universe

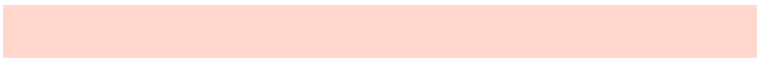
The Inverse Universe completely reimagines the original color for something new.



69.5104, 0.3419, 0.3148



64.4393, 0.3494, 0.3118



74.2471, 0.3505, 0.3404



18.0692, 0.3251, 0.3225



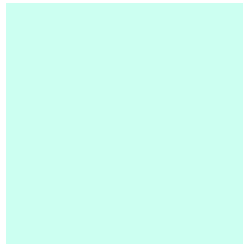
11.3621, 0.5855, 0.2999



1.1238, 0.5536, 0.2823

Previews

White Background



This preview shows how the Yxy color 90.7082, 0.2900, 0.3437 looks on a white background.

Color Contrast Check

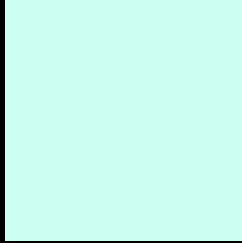
Large Text (above 18pt) WCAG AA × Fail

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 90.7082, 0.2900, 0.3437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

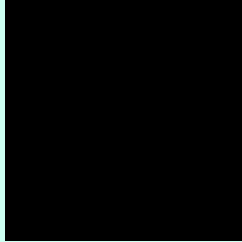
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

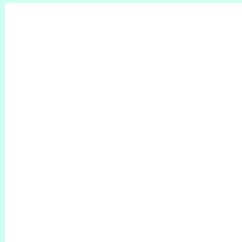
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7082, 0.2900, 0.3437

Background



This preview shows how black text looks on a background with the Yxy color 90.7082, 0.2900, 0.3437.

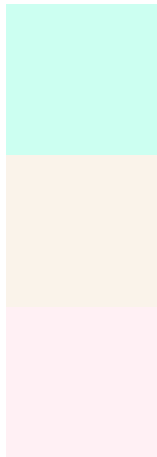


This preview shows how white text looks on a background with the Yxy color 90.7082, 0.2900, 0.3437.

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

90.7082, 0.2900, 0.3437

Protanopia

90.3657, 0.3228, 0.3379

Deuteranopia

90.1118, 0.3202, 0.3251



Tritanopia

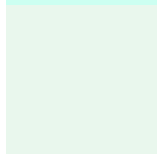
90.7305, 0.2981, 0.3210

Trichromacy



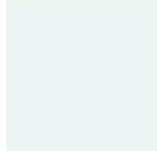
Original Color

90.7082, 0.2900, 0.3437



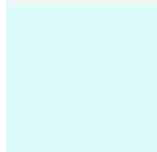
Protanomaly

89.9596, 0.3097, 0.3391



Deuteranomaly

89.6087, 0.3081, 0.3310



Tritanomaly

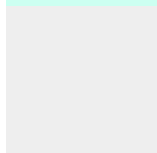
90.6455, 0.2949, 0.3289

Monochromacy



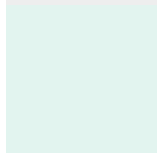
Original Color

90.7082, 0.2900, 0.3437



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1021, 0.3042, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7082, 0.2900, 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(204, 255, 241)` looks like.

```
.text, #text, p{  
    color:rgb(204, 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(204, 255, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 241) }
```

Border

The CSS property to change the border of an element to Yxy 90.7082, 0.2900, 0.3437 is called "border". The border property can be set on classes, ids or directly on the HTML element.

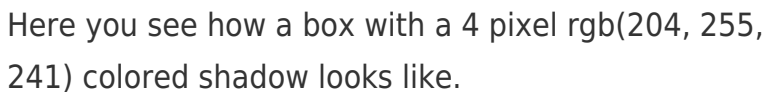
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 255, 241) }
```

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

```
.border{ border-color:rgb(204, 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(204, 255, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(204, 255, 241); -webkit-box-shadow:4px 4px 4px 4px rgb(204, 255, 241); box-shadow:4px 4px 4px 4px rgb(204, 255, 241) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7082, 0.2900, 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(204, 255, 241) }
```

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

```
.background{ background-color: rgb(204,  
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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