

Converting Colors

$Yxy(90.6319, 0.2898, 0.3428)$

Have a look what the booklet for
Yxy(90.6319, 0.2898, 0.3428)
contains.

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Color

Yxy(90.7682, 0.2895, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	CCFFF2
RGB	204, 255, 242
RGB Percent	80%, 100%, 95%
CMY	0.1997, 0.0000, 0.0510
CMYK	0.20, 0.00, 0.05, 0.00
HSL	165°, 100%, 90%
HSV	165°, 20%, 100%
XYZ	76.6999, 90.7682, 97.4712
YIQ	238.2690, -26.2230, -14.8550

Conversions

Conversions Part 2

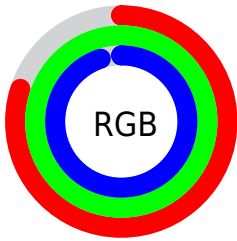
Format	Color
R_{YB}	204, 233, 255
Decimal	13434866
CIE _{Lab}	96.31, -18.61, 0.89
CIE _{LCh}	96, 18.633, 177.255
Yxy	90.7682, 0.2895, 0.3426
Android (android.graphics.Color)	4291624946 (0xFFCCFFF2)
YUV	238.2690, 1.8394, -30.0539
Hunter-Lab	95.2723, -23.0235, 6.0323

Details

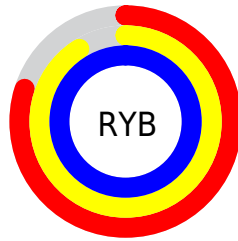
The Yxy color **90.7682, 0.2895, 0.3426** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **69.4885, 0.3426, 0.3159**, and the grayscale version is **85.7305, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.3229, 0.2844, 0.3453** is the 20% darker color. If you saturate the color by 10%, you get **87.0731, 0.2789, 0.3504**, and if you desaturate by 10%, it is **95.0746, 0.3009, 0.3355**.

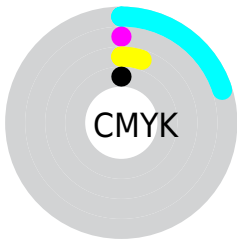
Distribution



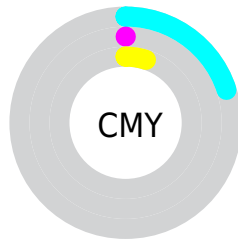
- Red (80%)
- Green (100%)
- Blue (95%)



- 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 90.7682, 0.2895, 0.3426 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 90.7682, 0.2895, 0.3426 by changing the saturation by 10% instead.

 90.7682, 0.2895,
0.3426

 90.7682, 0.2895,
0.3426


530.5266, 0.2998,
0.3365

 68.6180, 0.2872,
0.3439

148.4050, 0.2930,
0.3405

 50.4006, 0.2845,
0.3456


184.6603, 0.2944,
0.3397

 35.7318, 0.2811,
0.3476


226.3862, 0.2956,
0.3390

 24.2272, 0.2767,
0.3502

273.9669, 0.2966,
0.3384

 15.5022, 0.2709,
0.3536

327.7869, 0.2976,
0.3379

 9.1726, 0.2630,
0.3583

388.2306, 0.2984,

 4.8539, 0.2514,

0.3374

0.3653

455.6824, 0.2992,
0.3369

■ 2.1618, 0.2328,
0.3766

■ 0.6991, 0.1307,
0.4348

■ 90.7682, 0.2895,
0.3426

■ 90.7682, 0.2895,
0.3426

■ 87.0731, 0.2789,
0.3504

■ 95.0746, 0.3009,
0.3355

■ 83.9493, 0.2694,
0.3588

99.9953, 0.3127,
0.3290

■ 81.3694, 0.2614,
0.3677

■ 79.2990, 0.2550,
0.3770

■ 77.7001, 0.2505,
0.3866

■ 76.5290, 0.2480,
0.3963

■ 75.7335, 0.2475,
0.4059

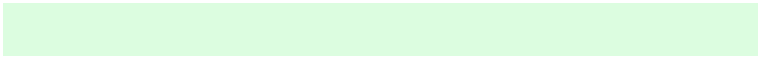
■ 75.2290, 0.2487,
0.4155

■ 75.2278, 0.2488,
0.4155

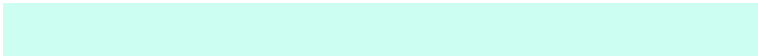
Harmonies

Analogous

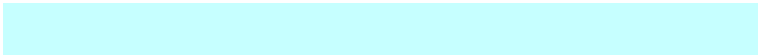
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7682, 0.3088, 0.3586



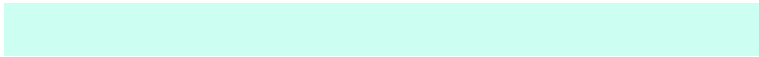
90.7682, 0.2895, 0.3426



90.7682, 0.2766, 0.3231

Triad

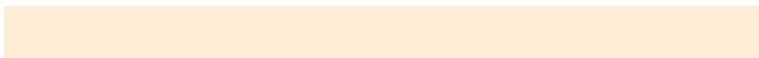
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.7682, 0.2895, 0.3426



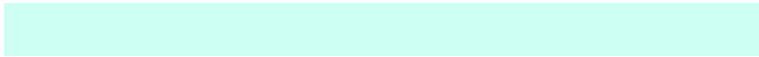
90.7682, 0.2951, 0.2946



90.7682, 0.3540, 0.3501

Complementary

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



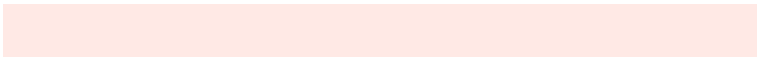
90.7682, 0.2895, 0.3426



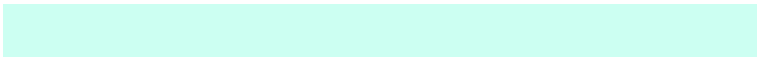
69.4885, 0.3426, 0.3159

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.



90.7682, 0.3502, 0.3331



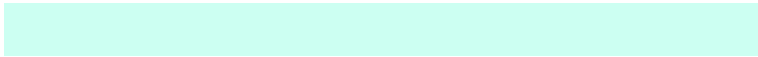
90.7682, 0.2895, 0.3426



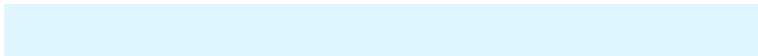
90.7682, 0.3156, 0.3018

Square

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



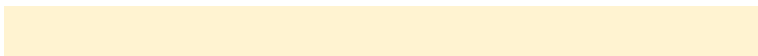
90.7682, 0.2895, 0.3426



90.7682, 0.2797, 0.2959



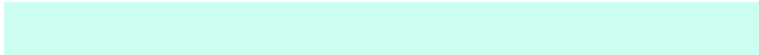
90.7682, 0.3359, 0.3156



90.7682, 0.3463, 0.3623

Rectangle

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



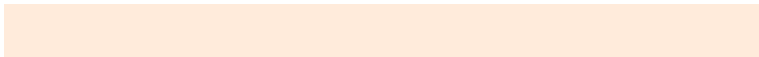
90.7682, 0.2895, 0.3426



90.7682, 0.2731, 0.3111



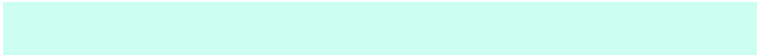
90.7682, 0.3359, 0.3156



90.7682, 0.3540, 0.3447

Sweetspot

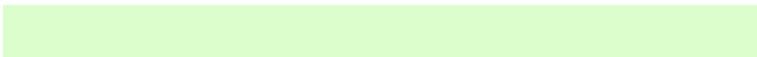
The Sweet Spot groups the original color and five complimentary colors.



90.7720, 0.2895, 0.3426



96.9637, 0.3055, 0.3328



90.7289, 0.3186, 0.3830



20.6865, 0.3048, 0.3332



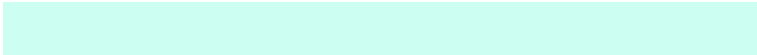
0.0000, 0.0000, 0.0000



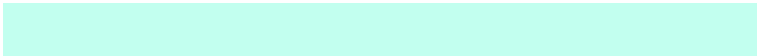
21.4041, 0.3127, 0.3290

Same Dimension

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



90.7720, 0.2895, 0.3426



89.2169, 0.2851, 0.3457



84.2328, 0.2819, 0.3164



20.3976, 0.3014, 0.3351



39.3362, 0.2483, 0.4139



3.8477, 0.2453, 0.4030

Inverse Universe

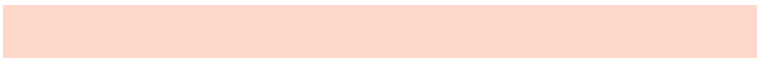
The Inverse Universe completely reimagines the original color for something new.



69.4885, 0.3426, 0.3159



64.3793, 0.3503, 0.3130



74.7064, 0.3503, 0.3412



18.0632, 0.3254, 0.3230



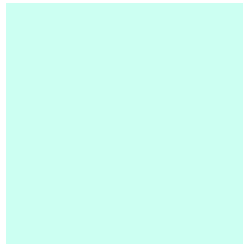
11.3292, 0.5919, 0.3034



1.1199, 0.5603, 0.2860

Previews

White Background



This preview shows how the Yxy color 90.7682, 0.2895, 0.3426 looks on a white background.

Color Contrast Check

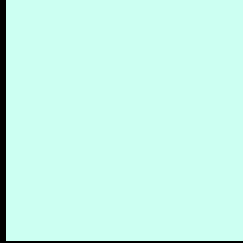
Large Text (above 18pt) WCAG AA × Fail

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 90.7682, 0.2895, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

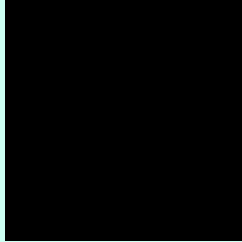
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

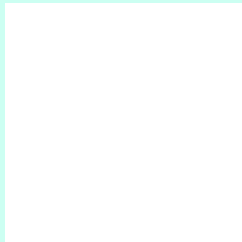
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7682, 0.2895, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 90.7682, 0.2895, 0.3426.

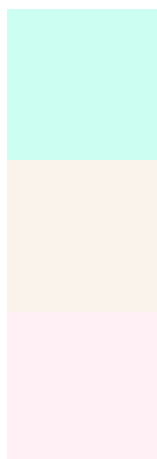


This preview shows how white text looks on a background with the Yxy color 90.7682, 0.2895, 0.3426.

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

90.7682, 0.2895, 0.3426

Protanopia

90.4233, 0.3222, 0.3369

Deuteranopia

90.1727, 0.3195, 0.3242



Tritanopia

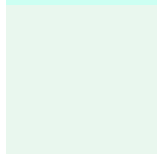
90.7305, 0.2981, 0.3210

Trichromacy



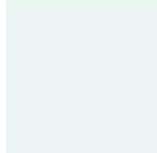
Original Color

90.7682, 0.2895, 0.3426



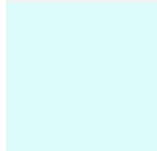
Protanomaly

90.0182, 0.3091, 0.3381



Deuteranomaly

89.6693, 0.3076, 0.3300



Tritanomaly

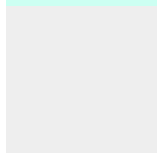
90.6455, 0.2949, 0.3289

Monochromacy



Original Color

90.7682, 0.2895, 0.3426



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 90.7682, 0.2895, 0.3426 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, 242)` looks like.

```
.text, #text, p{  
    color:rgb(204, 255, 242)  
}
```

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, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 255, 242) }
```

Border

The CSS property to change the border of an element to Yxy 90.7682, 0.2895, 0.3426 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, 242) }
```

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

```
.border{ border-color:rgb(204, 255, 242) }
```

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, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 255, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 255, 242);  
box-shadow:4px 4px 4px 4px rgb(204, 255,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7682, 0.2895, 0.3426 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, 242) }
```

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

```
.background{ background-color: rgb(204,  
255, 242) }
```

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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