

Converting Colors

$Yxy(90.3280, 0.3036, 0.3648)$

Have a look what the booklet for
Yxy(90.3280, 0.3036, 0.3648)
contains.

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Color

Yxy(90.2958, 0.3037, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	D1FFDD
RGB	209, 255, 221
RGB Percent	82%, 100%, 87%
CMY	0.1806, 0.0000, 0.1334
CMYK	0.18, 0.00, 0.13, 0.00
HSL	136°, 100%, 91%
HSV	136°, 18%, 100%
XYZ	75.0899, 90.2958, 81.8646
YIQ	237.3700, -16.5020, -20.3260

Conversions

Conversions Part 2

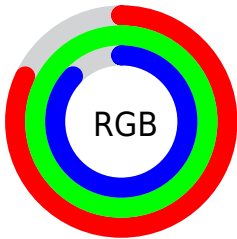
Format	Color
R_{YB}	209, 245, 255
Decimal	13762525
CIE _{Lab}	96.12, -21.05, 11.45
CIE _{LCh}	96, 23.962, 151.463
Yxy	90.2958, 0.3037, 0.3652
Android (android.graphics.Color)	4291952605 (0xFFD1FFDD)
YUV	237.3700, -8.0704, -24.8805
Hunter-Lab	95.0241, -25.2380, 15.4377

Details

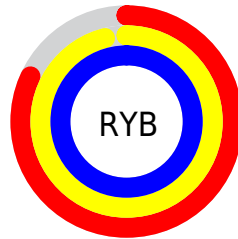
The Yxy color **90.2958, 0.3037, 0.3652** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **73.2979, 0.3231, 0.2954**, and the grayscale version is **85.0432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0114, 0.3015, 0.3732** is the 20% darker color. If you saturate the color by 10%, you get **85.9123, 0.2989, 0.3886**, and if you desaturate by 10%, it is **95.3666, 0.3087, 0.3442**.

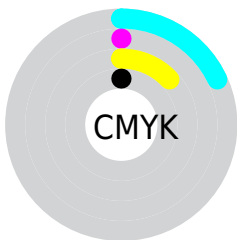
Distribution



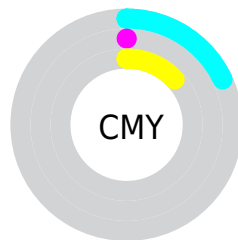
- Red (82%)
- Green (100%)
- Blue (87%)



- Red (82%)
- Yellow (96%)
- Blue (100%)



- Cyan (18%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (18%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2958, 0.3037, 0.3652 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 90.2958, 0.3037, 0.3652 by changing the saturation by 10% instead.


 90.2958, 0.3037,
0.3652

 90.2958, 0.3037,
0.3652


528.9926, 0.3079,
0.3486

 68.2260, 0.3027,
0.3689


147.7492, 0.3052,
0.3595

 50.0816, 0.3015,
0.3735


183.9016, 0.3058,
0.3573

 35.4783, 0.3000,
0.3793


225.5170, 0.3062,
0.3553

 24.0315, 0.2979,
0.3868


272.9798, 0.3067,
0.3537

 15.3570, 0.2951,
0.3970

326.6743, 0.3070,
0.3522

 9.0703, 0.2910,
0.4114

386.9850, 0.3074,

 4.7871, 0.2846,

0.3509

0.4334

454.2963, 0.3077,
0.3497

■ 2.1229, 0.2730,
0.4710

■ 0.6774, 0.1610,
0.8390

■ 90.2958, 0.3037,
0.3652

■ 90.2958, 0.3037,
0.3652

■ 85.9123, 0.2989,
0.3886

■ 95.3666, 0.3087,
0.3442

■ 82.2149, 0.2945,
0.4144

100.0000, 0.3127,
0.3290

■ 79.1588, 0.2908,
0.4419

■ 76.7066, 0.2881,
0.4704

■ 74.8165, 0.2867,
0.4987

■ 73.4415, 0.2868,
0.5254

■ 72.5267, 0.2885,
0.5489

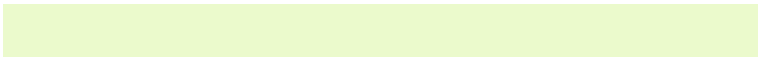
■ 71.9983, 0.2915,
0.5681

■ 71.9215, 0.2920,
0.5713

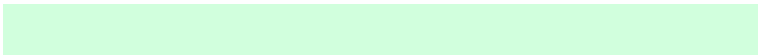
Harmonies

Analogous

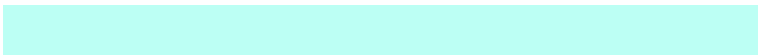
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2958, 0.3306, 0.3763



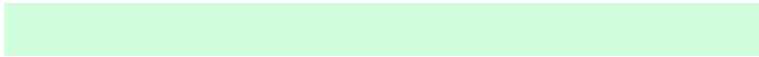
90.2958, 0.3037, 0.3652



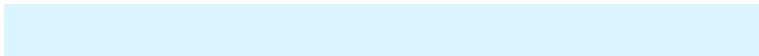
90.2958, 0.2799, 0.3430

Triad

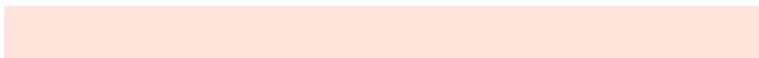
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.2958, 0.3037, 0.3652



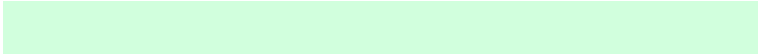
90.2958, 0.2726, 0.2857



90.2958, 0.3627, 0.3370

Complementary

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



90.2958, 0.3037, 0.3652



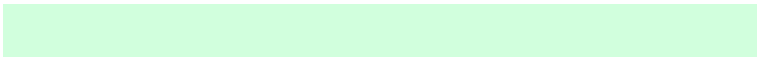
73.2979, 0.3231, 0.2954

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.



90.2958, 0.3459, 0.3147



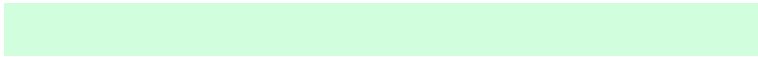
90.2958, 0.3037, 0.3652



90.2958, 0.2933, 0.2859

Square

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



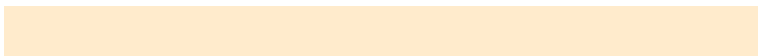
90.2958, 0.3037, 0.3652



90.2958, 0.2625, 0.2968



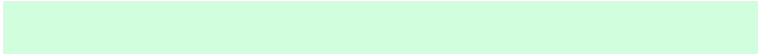
90.2958, 0.3201, 0.2964



90.2958, 0.3654, 0.3584

Rectangle

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



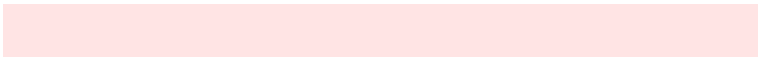
90.2958, 0.3037, 0.3652



90.2958, 0.2688, 0.3259



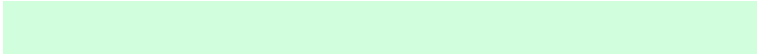
90.2958, 0.3201, 0.2964



90.2958, 0.3585, 0.3294

Sweetspot

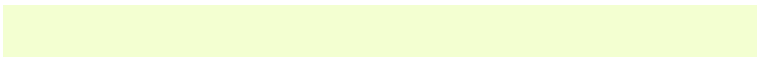
The Sweet Spot groups the original color and five complimentary colors.



90.2856, 0.3037, 0.3652



97.0698, 0.3102, 0.3382



95.2612, 0.3324, 0.3752



20.6920, 0.3099, 0.3396



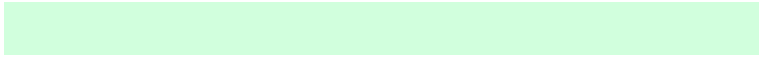
0.0000, 0.0000, 0.0000



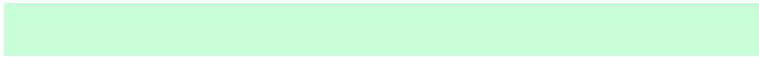
21.4041, 0.3127, 0.3290

Same Dimension

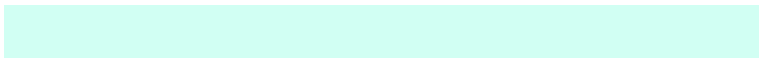
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2856, 0.3037, 0.3652



88.4816, 0.3018, 0.3741



91.5664, 0.2915, 0.3409



20.2461, 0.3080, 0.3470



37.6012, 0.2913, 0.5686



3.6781, 0.2853, 0.5472

Inverse Universe

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



73.2979, 0.3231, 0.2954



68.3717, 0.3258, 0.2878



72.0210, 0.3394, 0.3174



18.2145, 0.3178, 0.3116



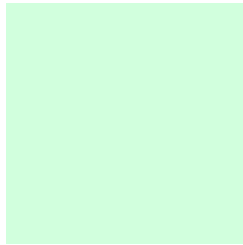
13.0389, 0.4006, 0.1981



1.2875, 0.3895, 0.1919

Previews

White Background



This preview shows how the Yxy color 90.2958, 0.3037, 0.3652 looks on a white background.

Color Contrast Check

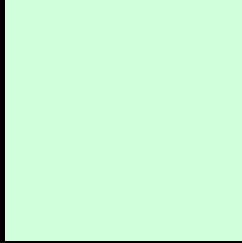
Large Text (above 18pt) WCAG AA × Fail

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 90.2958, 0.3037, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

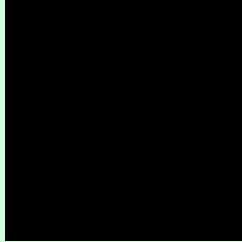
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

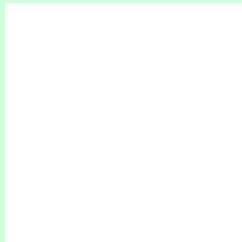
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2958, 0.3037, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 90.2958, 0.3037, 0.3652.

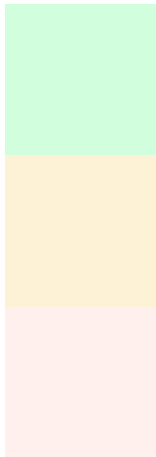


This preview shows how white text looks on a background with the Yxy color 90.2958, 0.3037, 0.3652.

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

90.2958, 0.3037, 0.3652

Protanopia

89.4301, 0.3382, 0.3569

Deuteranopia

89.6946, 0.3245, 0.3320



Tritanopia

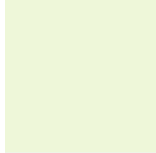
90.2873, 0.2987, 0.3200

Trichromacy



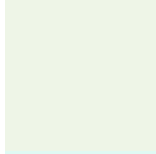
Original Color

90.2958, 0.3037, 0.3652



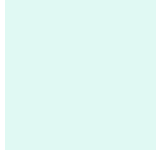
Protanomaly

89.7084, 0.3249, 0.3596



Deuteranomaly

89.2515, 0.3166, 0.3432



Tritanomaly

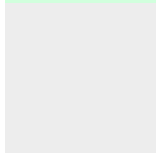
90.0697, 0.3006, 0.3351

Monochromacy



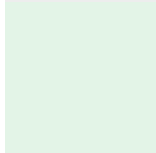
Original Color

90.2958, 0.3037, 0.3652



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.8018, 0.3095, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2958, 0.3037, 0.3652 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(209, 255, 221)` looks like.

```
.text, #text, p{  
    color:rgb(209, 255, 221)  
}
```

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(209, 255, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 255, 221) }
```

Border

The CSS property to change the border of an element to Yxy 90.2958, 0.3037, 0.3652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

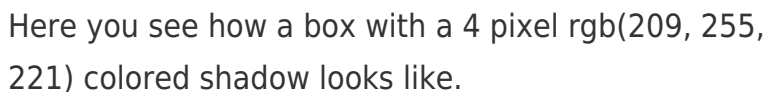
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 255, 221) }
```

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

```
.border{ border-color:rgb(209, 255, 221) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 255, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 255, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 255, 221);  
box-shadow:4px 4px 4px 4px rgb(209, 255,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2958, 0.3037, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 255, 221) }
```

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

```
.background{ background-color: rgb(209,  
255, 221) }
```

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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