

Converting Colors

$Yxy(90.6091, 0.3070, 0.3677)$

Have a look what the booklet for
Yxy(90.6091, 0.3070, 0.3677)
contains.

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Color

Yxy(90.5790, 0.3072, 0.3682)

Conversions

Conversions Part 1

Format	Color
Hex	D4FFDA
RGB	212, 255, 218
RGB Percent	83%, 100%, 85%
CMY	0.1686, 0.0000, 0.1450
CMYK	0.17, 0.00, 0.14, 0.00
HSL	128°, 100%, 92%
HSV	128°, 17%, 100%
XYZ	75.5727, 90.5790, 79.8532
YIQ	237.9250, -13.7510, -20.6230

Conversions

Conversions Part 2

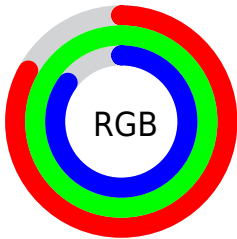
Format	Color
R_{YB}	212, 250, 255
Decimal	13959130
CIE Lab	96.24, -20.57, 13.15
CIE LCh	96, 24.412, 147.404
Yxy	90.5790, 0.3072, 0.3682
Android (android.graphics.Color)	4292149210 (0xFFD4FFDA)
YUV	237.9250, -9.8230, -22.7362
Hunter-Lab	95.1730, -24.8137, 16.8749

Details

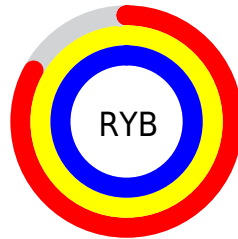
The Yxy color **90.5790, 0.3072, 0.3682** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **75.1927, 0.3188, 0.2927**, and the grayscale version is **85.5304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2006, 0.3058, 0.3772** is the 20% darker color. If you saturate the color by 10%, you get **86.0139, 0.3039, 0.3954**, and if you desaturate by 10%, it is **95.9022, 0.3105, 0.3439**.

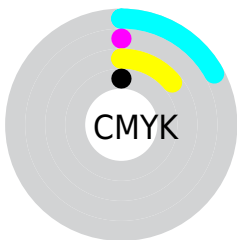
Distribution



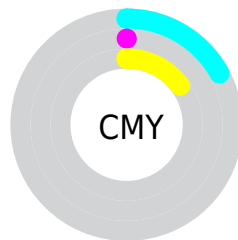
- Red (83%)
- Green (100%)
- Blue (85%)



- Red (83%)
- Yellow (98%)
- Blue (100%)



- Cyan (17%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




- Cyan (17%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5790, 0.3072, 0.3682 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 90.5790, 0.3072, 0.3682 by changing the saturation by 10% instead.

 90.5790, 0.3072,
0.3682

 90.5790, 0.3072,
0.3682


529.9125, 0.3099,
0.3503

 68.4610, 0.3066,
0.3723


148.1424, 0.3082,
0.3620

 50.2728, 0.3057,
0.3772


184.3565, 0.3085,
0.3596

 35.6302, 0.3047,
0.3835


226.0382, 0.3088,
0.3575

 24.1488, 0.3032,
0.3916

273.5717, 0.3091,
0.3557

 15.4440, 0.3012,
0.4026

327.3415, 0.3094,
0.3541

 9.1316, 0.2982,
0.4182

387.7320, 0.3096,

 4.8271, 0.2932,

0.3527

0.4420

455.1275, 0.3097,
0.3514

■ 2.1462, 0.2837,
0.4826

■ 0.6904, 0.1825,
0.8175

■ 90.5790, 0.3072,
0.3682

■ 90.5790, 0.3072,
0.3682

■ 86.0139, 0.3039,
0.3954

■ 95.9022, 0.3105,
0.3439

■ 82.1613, 0.3008,
0.4252

99.9997, 0.3127,
0.3290

■ 78.9887, 0.2981,
0.4570

■ 76.4561, 0.2960,
0.4893

■ 74.5195, 0.2947,
0.5205

■ 73.1294, 0.2945,
0.5484

■ 72.2279, 0.2953,
0.5711

■ 71.7430, 0.2969,
0.5870

■ 71.6454, 0.2974,
0.5907

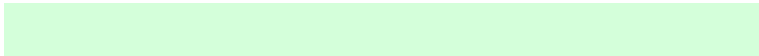
Harmonies

Analogous

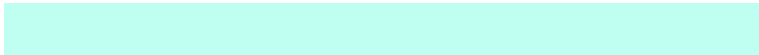
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5790, 0.3345, 0.3776



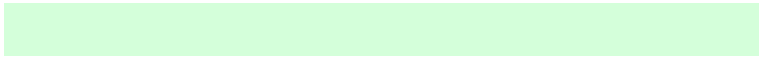
90.5790, 0.3072, 0.3682



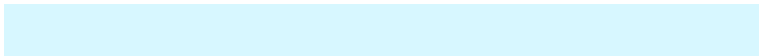
90.5790, 0.2822, 0.3467

Triad

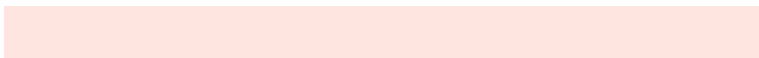
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.5790, 0.3072, 0.3682



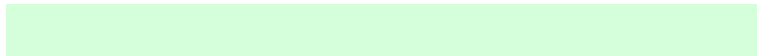
90.5790, 0.2698, 0.2858



90.5790, 0.3621, 0.3340

Complementary

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



90.5790, 0.3072, 0.3682



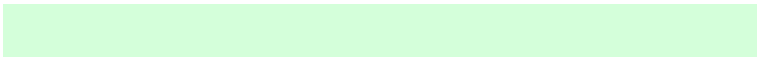
75.1927, 0.3188, 0.2927

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.



90.5790, 0.3433, 0.3116



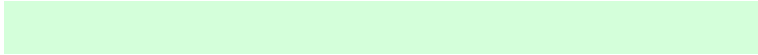
90.5790, 0.3072, 0.3682



90.5790, 0.2897, 0.2845

Square

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



90.5790, 0.3072, 0.3682



90.5790, 0.2613, 0.2986



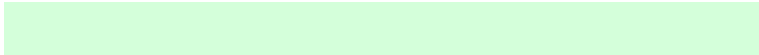
90.5790, 0.3164, 0.2938



90.5790, 0.3669, 0.3562

Rectangle

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



90.5790, 0.3072, 0.3682



90.5790, 0.2699, 0.3293



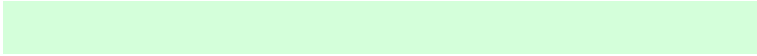
90.5790, 0.3164, 0.2938



90.5790, 0.3571, 0.3263

Sweetspot

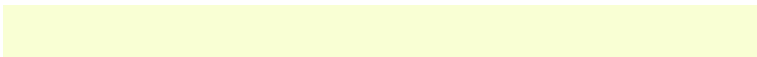
The Sweet Spot groups the original color and five complimentary colors.



90.5828, 0.3072, 0.3682



96.9753, 0.3111, 0.3398



96.4630, 0.3344, 0.3716



20.6691, 0.3109, 0.3413



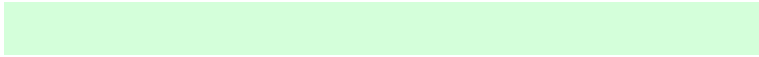
0.0000, 0.0000, 0.0000



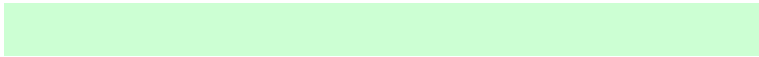
21.4041, 0.3127, 0.3290

Same Dimension

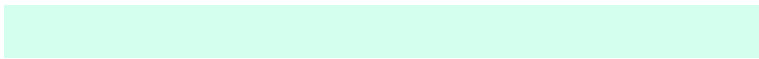
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5828, 0.3072, 0.3682



89.0677, 0.3062, 0.3764



91.7651, 0.2955, 0.3454



20.2096, 0.3096, 0.3501



37.4489, 0.2969, 0.5889



3.6582, 0.2923, 0.5724

Inverse Universe

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



75.1927, 0.3188, 0.2927



71.2142, 0.3200, 0.2858



73.9435, 0.3336, 0.3132



18.2540, 0.3160, 0.3088



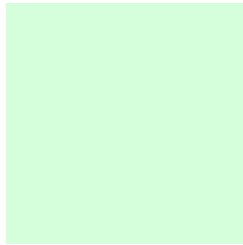
13.8059, 0.3599, 0.1756



1.3557, 0.3548, 0.1728

Previews

White Background



This preview shows how the Yxy color 90.5790, 0.3072, 0.3682 looks on a white background.

Color Contrast Check

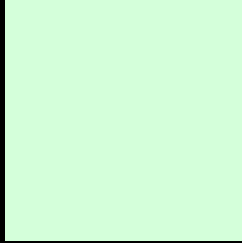
Large Text (above 18pt) WCAG AA × Fail

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 90.5790, 0.3072, 0.3682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

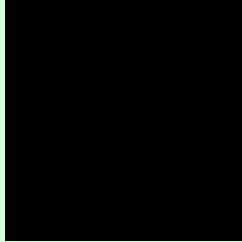
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

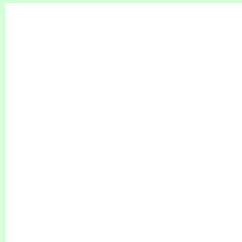
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5790, 0.3072, 0.3682

Background



This preview shows how black text looks on a background with the Yxy color 90.5790, 0.3072, 0.3682.

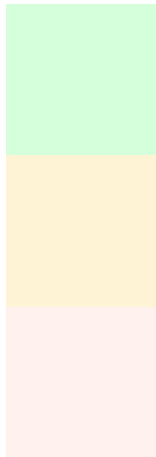


This preview shows how white text looks on a background with the Yxy color 90.5790, 0.3072, 0.3682.

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

90.5790, 0.3072, 0.3682

Protanopia

90.1653, 0.3394, 0.3588

Deuteranopia

90.2850, 0.3244, 0.3329



Tritanopia

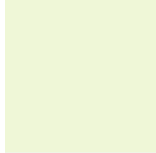
90.4552, 0.2993, 0.3200

Trichromacy



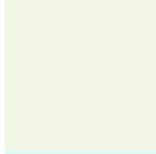
Original Color

90.5790, 0.3072, 0.3682



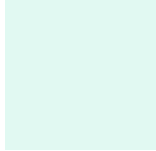
Protanomaly

89.7785, 0.3268, 0.3617



Deuteranomaly

89.9754, 0.3178, 0.3452



Tritanomaly

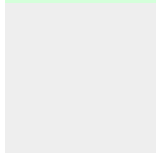
90.1697, 0.3018, 0.3361

Monochromacy



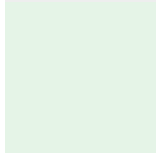
Original Color

90.5790, 0.3072, 0.3682



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1289, 0.3108, 0.3424

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5790, 0.3072, 0.3682 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(212, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 218)  
}
```

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(212, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 90.5790, 0.3072, 0.3682 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(212, 255, 218) }
```

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

```
.border{ border-color:rgb(212, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(212, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5790, 0.3072, 0.3682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 218) }
```

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

```
.background{ background-color: rgb(212,  
255, 218) }
```

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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