

Converting Colors

$Y_{xy}(100.0000, 0.3067, 0.3829)$

Have a look what the booklet for
Yxy(100.0000, 0.3067, 0.3829)
contains.

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Color

Yxy(90.3786, 0.3072, 0.3694)

Conversions

Conversions Part 1

Format	Color
Hex	D3FFD9
RGB	211, 255, 217
RGB Percent	83%, 100%, 85%
CMY	0.1723, 0.0000, 0.1490
CMYK	0.17, 0.00, 0.15, 0.00
HSL	128°, 100%, 91%
HSV	128°, 17%, 100%
XYZ	75.1605, 90.3786, 79.1241
YIQ	237.5120, -14.0260, -21.1460

Conversions

Conversions Part 2

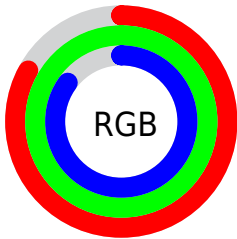
Format	Color
R _Y B	211, 250, 255
Decimal	13893593
CIE Lab	96.15, -21.05, 13.56
CIE LCh	96, 25.042, 147.218
Yxy	90.3786, 0.3072, 0.3694
Android (android.graphics.Color)	4292083673 (0xFFD3FFD9)
YUV	237.5120, -10.1124, -23.2510
Hunter-Lab	95.0677, -25.2462, 17.2007

Details

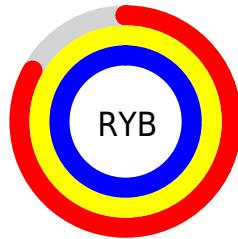
The Yxy color **90.3786, 0.3072, 0.3694** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **74.7213, 0.3188, 0.2917**, and the grayscale version is **85.2011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0647, 0.3058, 0.3787** is the 20% darker color. If you saturate the color by 10%, you get **85.8367, 0.3040, 0.3969**, and if you desaturate by 10%, it is **95.6790, 0.3104, 0.3449**.

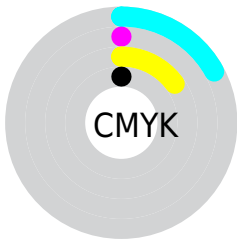
Distribution



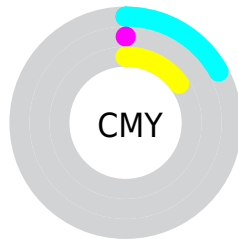
- Red (83%)
- Green (100%)
- Blue (85%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3786, 0.3072, 0.3694 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 90.3786, 0.3072, 0.3694 by changing the saturation by 10% instead.


 90.3786, 0.3072,
0.3694

 90.3786, 0.3072,
0.3694


529.2617, 0.3099,
0.3509

 68.2947, 0.3065,
0.3736


147.8642, 0.3082,
0.3630

 50.1375, 0.3057,
0.3787


184.0346, 0.3085,
0.3605

 35.5227, 0.3046,
0.3852


225.6694, 0.3089,
0.3584

 24.0658, 0.3032,
0.3936

273.1529, 0.3091,
0.3565

 15.3824, 0.3011,
0.4050

326.8694, 0.3094,
0.3548

 9.0882, 0.2980,
0.4211

387.2035, 0.3096,

 4.7988, 0.2929,

0.3534

0.4458

454.5394, 0.3098,
0.3521

■ 2.1297, 0.2829,
0.4880

■ 0.6812, 0.1639,
0.8361

■ 90.3786, 0.3072,
0.3694

■ 90.3786, 0.3072,
0.3694

■ 85.8367, 0.3040,
0.3969

■ 95.6790, 0.3104,
0.3449

■ 82.0076, 0.3009,
0.4270

99.9948, 0.3127,
0.3290

■ 78.8585, 0.2983,
0.4589

■ 76.3491, 0.2962,
0.4914

■ 74.4353, 0.2950,
0.5226

■ 73.0669, 0.2948,
0.5504

■ 72.1856, 0.2956,
0.5726

■ 71.7174, 0.2972,
0.5881

■ 71.6328, 0.2976,
0.5912

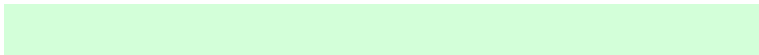
Harmonies

Analogous

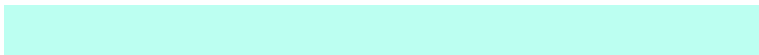
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3786, 0.3352, 0.3790



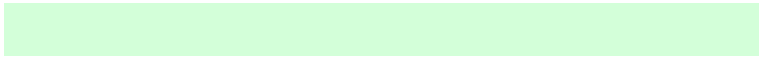
90.3786, 0.3072, 0.3694



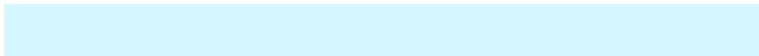
90.3786, 0.2815, 0.3474

Triad

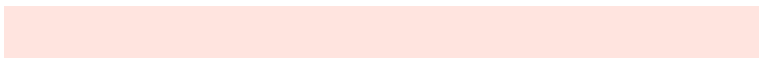
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.3786, 0.3072, 0.3694



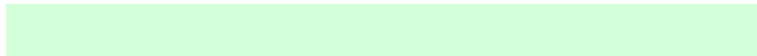
90.3786, 0.2686, 0.2848



90.3786, 0.3633, 0.3339

Complementary

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



90.3786, 0.3072, 0.3694



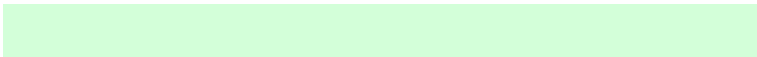
74.7213, 0.3188, 0.2917

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.



90.3786, 0.3439, 0.3110



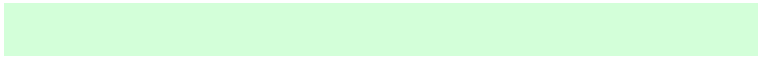
90.3786, 0.3072, 0.3694



90.3786, 0.2889, 0.2833

Square

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



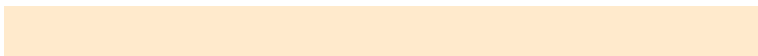
90.3786, 0.3072, 0.3694



90.3786, 0.2599, 0.2979



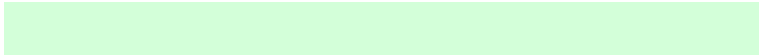
90.3786, 0.3163, 0.2929



90.3786, 0.3684, 0.3567

Rectangle

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



90.3786, 0.3072, 0.3694



90.3786, 0.2689, 0.3295



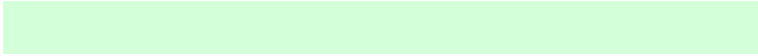
90.3786, 0.3163, 0.2929



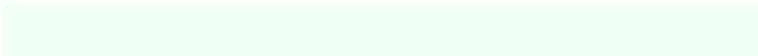
90.3786, 0.3582, 0.3261

Sweetspot

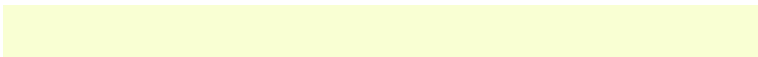
The Sweet Spot groups the original color and five complimentary colors.



90.3824, 0.3072, 0.3694



96.9715, 0.3111, 0.3398



96.3856, 0.3349, 0.3725



20.6682, 0.3109, 0.3414



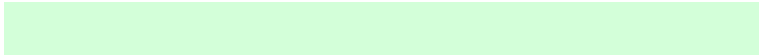
0.0000, 0.0000, 0.0000



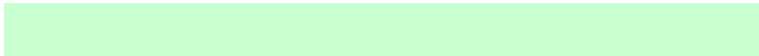
21.4041, 0.3127, 0.3290

Same Dimension

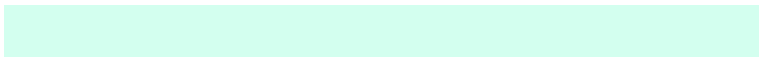
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3824, 0.3072, 0.3694



88.5876, 0.3060, 0.3794



91.5981, 0.2952, 0.3457



20.2081, 0.3097, 0.3502



37.4445, 0.2971, 0.5895



3.6575, 0.2926, 0.5734

Inverse Universe

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



74.7213, 0.3188, 0.2917



70.0064, 0.3203, 0.2833



73.4335, 0.3342, 0.3129



18.2557, 0.3159, 0.3087



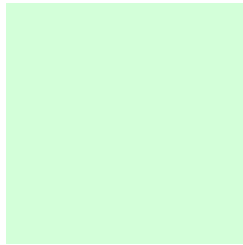
13.8409, 0.3583, 0.1748



1.3588, 0.3534, 0.1721

Previews

White Background



This preview shows how the Yxy color 90.3786, 0.3072, 0.3694 looks on a white background.

Color Contrast Check

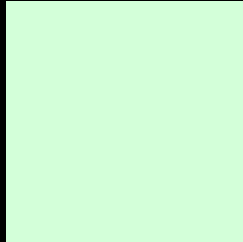
Large Text (above 18pt) WCAG AA × Fail

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 90.3786, 0.3072, 0.3694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

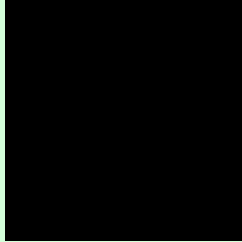
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

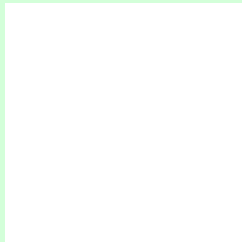
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3786, 0.3072, 0.3694

Background



This preview shows how black text looks on a background with the Yxy color 90.3786, 0.3072, 0.3694.

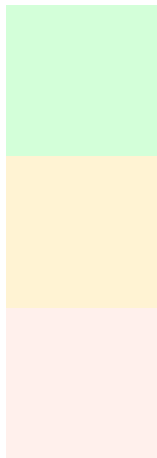


This preview shows how white text looks on a background with the Yxy color 90.3786, 0.3072, 0.3694.

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

90.3786, 0.3072, 0.3694

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

89.6363, 0.3252, 0.3329



Tritanopia

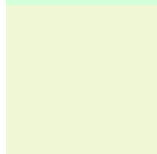
90.4552, 0.2993, 0.3200

Trichromacy



Original Color

90.3786, 0.3072, 0.3694



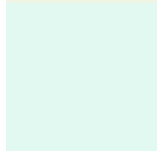
Protanomaly

89.6763, 0.3280, 0.3637



Deuteranomaly

89.3127, 0.3184, 0.3452



Tritanomaly

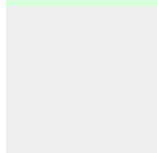
90.1098, 0.3023, 0.3372

Monochromacy



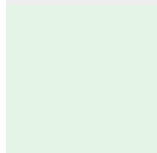
Original Color

90.3786, 0.3072, 0.3694



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

86.9085, 0.3107, 0.3435

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3786, 0.3072, 0.3694 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(211, 255, 217)` looks like.

```
.text, #text, p{  
    color:rgb(211, 255, 217)  
}
```

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(211, 255, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 90.3786, 0.3072, 0.3694 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(211, 255, 217) }
```

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

```
.border{ border-color:rgb(211, 255, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 255, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(211, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 90.3786, 0.3072, 0.3694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 255, 217) }
```

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

```
.background{ background-color: rgb(211,  
255, 217) }
```

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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