

Converting Colors

$Y_{xy}(100.0000, 0.3157, 0.3921)$

Have a look what the booklet for
Yxy(100.0000, 0.3157, 0.3921)
contains.

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Color

Yxy(90.9795, 0.3166, 0.3787)

Conversions

Conversions Part 1

Format	Color
Hex	DAFFD0
RGB	218, 255, 208
RGB Percent	85%, 100%, 82%
CMY	0.1450, 0.0000, 0.1845
CMYK	0.14, 0.00, 0.18, 0.00
HSL	107°, 100%, 91%
HSV	107°, 18%, 100%
XYZ	76.0605, 90.9795, 73.2016
YIQ	238.5790, -6.9650, -22.4610

Conversions

Conversions Part 2

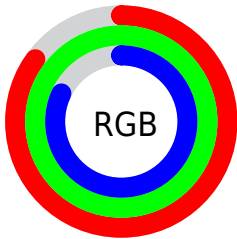
Format	Color
R _Y B	208, 255, 245
Decimal	14352336
CIE Lab	96.40, -20.28, 18.59
CIE LCh	96, 27.514, 137.496
Yxy	90.9795, 0.3166, 0.3787
Android (android.graphics.Color)	4292542416 (0xFFDAFFD0)
YUV	238.5790, -15.0754, -18.0478
Hunter-Lab	95.3832, -24.5810, 21.2662

Details

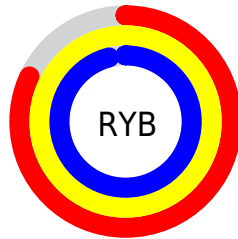
The Yxy color **90.9795, 0.3166, 0.3787** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.7151, 0.3077, 0.2820**, and the grayscale version is **86.0981, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5078, 0.3169, 0.3891** is the 20% darker color. If you saturate the color by 10%, you get **86.9200, 0.3183, 0.4097**, and if you desaturate by 10%, it is **95.6192, 0.3146, 0.3505**.

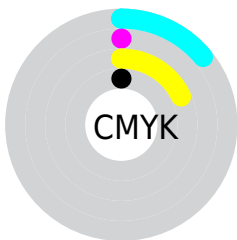
Distribution



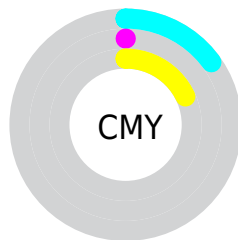
- Red (85%)
- Green (100%)
- Blue (82%)



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



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9795, 0.3166, 0.3787 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 90.9795, 0.3166, 0.3787 by changing the saturation by 10% instead.

 90.9795, 0.3166,
0.3787

 90.9795, 0.3166,
0.3787

531.2120, 0.3152,
0.3559

 68.7933, 0.3168,
0.3838


148.6982, 0.3162,
0.3708

 50.5434, 0.3170,
0.3902


184.9995, 0.3160,
0.3678

 35.8454, 0.3172,
0.3981


226.7747, 0.3159,
0.3651

 24.3148, 0.3173,
0.4085

274.4081, 0.3157,
0.3628

 15.5673, 0.3173,
0.4224

328.2842, 0.3156,
0.3608

 9.2185, 0.3168,
0.4420

388.7872, 0.3155,

 4.8840, 0.3151,

0.3590

0.4718

456.3017, 0.3153,
0.3574

■ 2.1793, 0.3117,
0.5251

■ 0.7087, 0.2011,
0.7989

■ 90.9795, 0.3166,
0.3787

■ 90.9795, 0.3166,
0.3787

■ 86.9200, 0.3183,
0.4097

■ 95.6192, 0.3146,
0.3505

■ 83.4107, 0.3195,
0.4427

100.0000, 0.3127,
0.3290

■ 80.4296, 0.3199,
0.4767

■ 77.9503, 0.3193,
0.5099

■ 75.9440, 0.3177,
0.5402

■ 74.3789, 0.3150,
0.5651

■ 73.2188, 0.3114,
0.5830

■ 72.4184, 0.3073,
0.5934

■ 72.3197, 0.3068,
0.5946

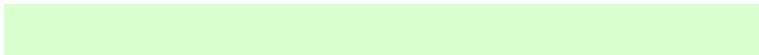
Harmonies

Analogous

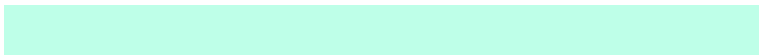
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9795, 0.3463, 0.3837



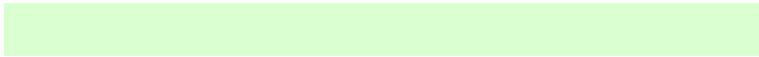
90.9795, 0.3166, 0.3787



90.9795, 0.2868, 0.3581

Triad

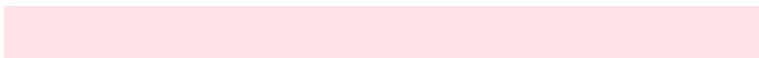
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.9795, 0.3166, 0.3787



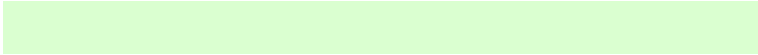
90.9795, 0.2600, 0.2838



90.9795, 0.3628, 0.3259

Complementary

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



90.9795, 0.3166, 0.3787



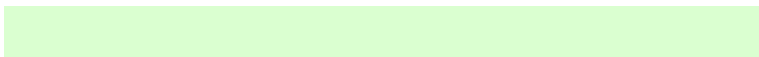
71.7151, 0.3077, 0.2820

Split Complementary

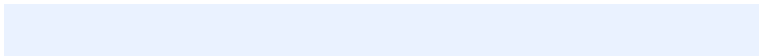
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9795, 0.3376, 0.3021



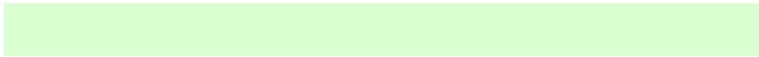
90.9795, 0.3166, 0.3787



90.9795, 0.2783, 0.2783

Square

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



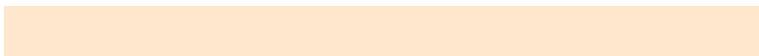
90.9795, 0.3166, 0.3787



90.9795, 0.2551, 0.3018



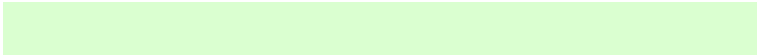
90.9795, 0.3064, 0.2851



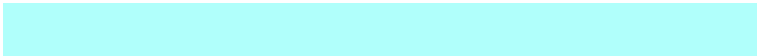
90.9795, 0.3740, 0.3514

Rectangle

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



90.9795, 0.3166, 0.3787



90.9795, 0.2708, 0.3391



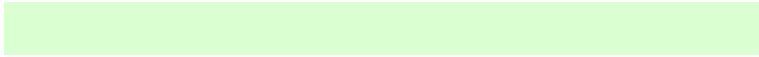
90.9795, 0.3064, 0.2851



90.9795, 0.3557, 0.3175

Sweetspot

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



90.9818, 0.3166, 0.3787



96.8434, 0.3140, 0.3441



91.0014, 0.3423, 0.3656



20.6577, 0.3142, 0.3458



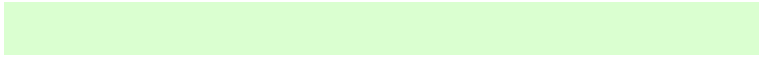
0.0000, 0.0000, 0.0000



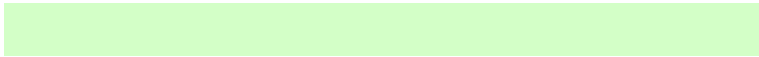
21.4041, 0.3127, 0.3290

Same Dimension

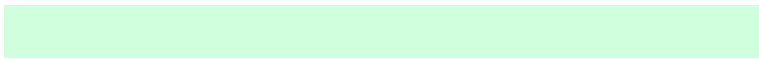
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.9818, 0.3166, 0.3787



89.4733, 0.3172, 0.3894



90.1606, 0.3029, 0.3649



20.3554, 0.3148, 0.3533



37.8405, 0.3076, 0.5940



3.7292, 0.3147, 0.5883

Inverse Universe

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



71.7151, 0.3077, 0.2820



67.0751, 0.3065, 0.2726



72.7451, 0.3241, 0.2956



18.0928, 0.3103, 0.3053



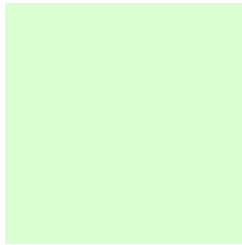
10.2883, 0.2671, 0.1245



1.0483, 0.2736, 0.1281

Previews

White Background



This preview shows how the Yxy color 90.9795, 0.3166, 0.3787 looks on a white background.

Color Contrast Check

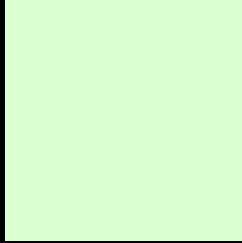
Large Text (above 18pt) WCAG AA × Fail

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 90.9795, 0.3166, 0.3787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

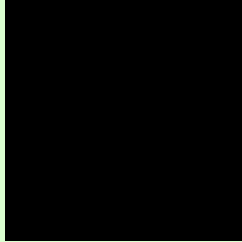
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

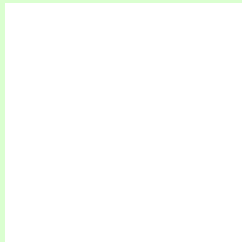
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9795, 0.3166, 0.3787

Background



This preview shows how black text looks on a background with the Yxy color 90.9795, 0.3166, 0.3787.

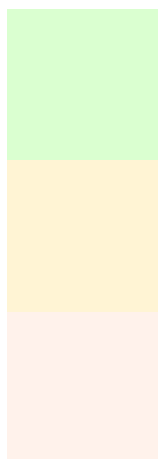


This preview shows how white text looks on a background with the Yxy color 90.9795, 0.3166, 0.3787.

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

90.9795, 0.3166, 0.3787

Protanopia

90.7148, 0.3399, 0.3607

Deuteranopia

90.7624, 0.3256, 0.3359



Tritanopia

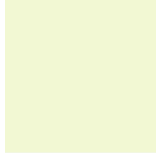
90.5293, 0.3018, 0.3191

Trichromacy



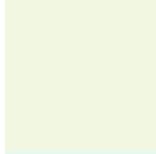
Original Color

90.9795, 0.3166, 0.3787



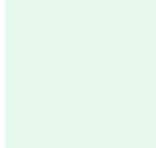
Protanomaly

90.7152, 0.3311, 0.3666



Deuteranomaly

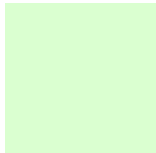
90.8350, 0.3227, 0.3512



Tritanomaly

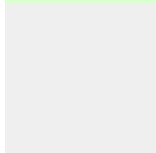
90.7474, 0.3072, 0.3402

Monochromacy



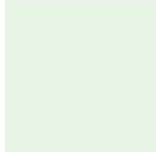
Original Color

90.9795, 0.3166, 0.3787



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.8952, 0.3138, 0.3465

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9795, 0.3166, 0.3787 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(218, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 208)  
}
```

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(218, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 90.9795, 0.3166, 0.3787 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(218, 255, 208) }
```

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

```
.border{ border-color:rgb(218, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 255, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 255, 208); box-shadow:4px 4px 4px 4px rgb(218, 255, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9795, 0.3166, 0.3787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 208) }
```

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

```
.background{ background-color: rgb(218,  
255, 208) }
```

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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