

Converting Colors

$Y_{xy}(100.0000, 0.3154, 0.3923)$

Have a look what the booklet for
Yxy(100.0000, 0.3154, 0.3923)
contains.

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Color

Yxy(90.8258, 0.3159, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFD0
RGB	217, 255, 208
RGB Percent	85%, 100%, 82%
CMY	0.1493, 0.0000, 0.1844
CMYK	0.15, 0.00, 0.18, 0.00
HSL	109°, 100%, 91%
HSV	109°, 18%, 100%
XYZ	75.7441, 90.8258, 73.2025
YIQ	238.2800, -7.5610, -22.6730

Conversions

Conversions Part 2

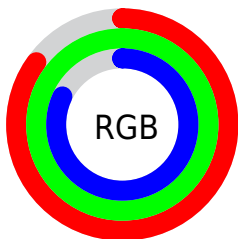
Format	Color
R_{YB}	208, 255, 246
Decimal	14286800
CIE _{Lab}	96.34, -20.66, 18.48
CIE _{LCh}	96, 27.716, 138.183
Yxy	90.8258, 0.3159, 0.3788
Android (android.graphics.Color)	4292476880 (0xFFD9FFD0)
YUV	238.2800, -14.9280, -18.6626
Hunter-Lab	95.3026, -24.9121, 21.1708

Details

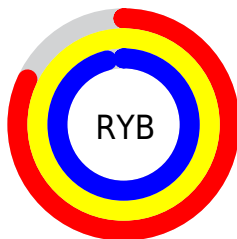
The Yxy color **90.8258, 0.3159, 0.3788** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **71.9264, 0.3085, 0.2822**, and the grayscale version is **85.8325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4026, 0.3161, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **86.6920, 0.3172, 0.4099**, and if you desaturate by 10%, it is **95.5356, 0.3143, 0.3505**.

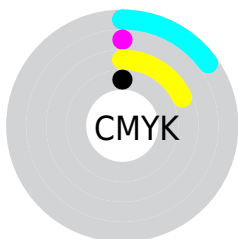
Distribution



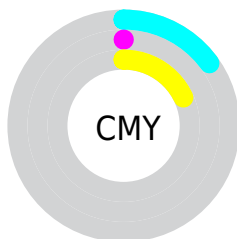
- Red (85%)
- Green (100%)
- Blue (82%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8258, 0.3159, 0.3788 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 90.8258, 0.3159, 0.3788 by changing the saturation by 10% instead.


 90.8258, 0.3159,
0.3788

 90.8258, 0.3159,
0.3788

530.7135, 0.3149,
0.3560

 68.6658, 0.3160,
0.3840


148.4849, 0.3156,
0.3709

 50.4396, 0.3162,
0.3903


184.7528, 0.3155,
0.3678

 35.7628, 0.3163,
0.3983


226.4921, 0.3154,
0.3652

 24.2510, 0.3163,
0.4087

274.0872, 0.3152,
0.3629

 15.5199, 0.3160,
0.4227

327.9225, 0.3151,
0.3608

 9.1851, 0.3153,
0.4425

388.3824, 0.3150,

 4.8621, 0.3132,

0.3590

0.4725

455.8513, 0.3149,
0.3574

■ 2.1666, 0.3092,
0.5263

■ 0.7017, 0.1882,
0.8118

■ 90.8258, 0.3159,
0.3788

■ 90.8258, 0.3159,
0.3788

■ 86.6920, 0.3172,
0.4099

■ 95.5356, 0.3143,
0.3505

■ 83.1424, 0.3181,
0.4432

100.0000, 0.3127,
0.3290

■ 80.1402, 0.3182,
0.4775

■ 77.6576, 0.3175,
0.5110

■ 75.6641, 0.3157,
0.5414

■ 74.1260, 0.3131,
0.5665

■ 73.0048, 0.3097,
0.5843

■ 72.2527, 0.3060,
0.5945

■ 72.1616, 0.3055,
0.5957

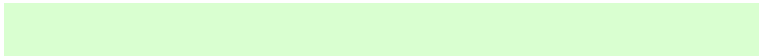
Harmonies

Analogous

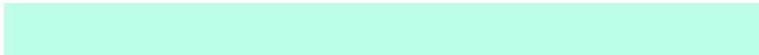
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8258, 0.3459, 0.3842



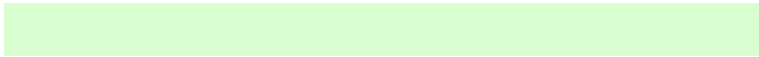
90.8258, 0.3159, 0.3788



90.8258, 0.2860, 0.3577

Triad

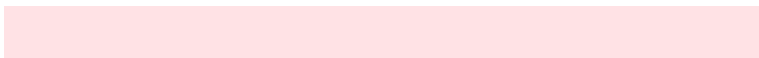
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8258, 0.3159, 0.3788



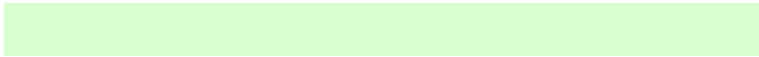
90.8258, 0.2598, 0.2832



90.8258, 0.3637, 0.3264

Complementary

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



90.8258, 0.3159, 0.3788



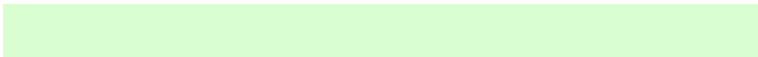
71.9264, 0.3085, 0.2822

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.



90.8258, 0.3385, 0.3024



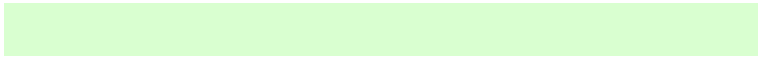
90.8258, 0.3159, 0.3788



90.8258, 0.2786, 0.2779

Square

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



90.8258, 0.3159, 0.3788



90.8258, 0.2546, 0.3011



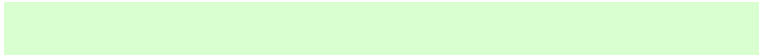
90.8258, 0.3071, 0.2850



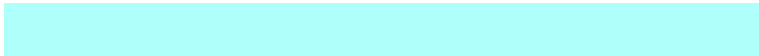
90.8258, 0.3745, 0.3521

Rectangle

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



90.8258, 0.3159, 0.3788



90.8258, 0.2701, 0.3385



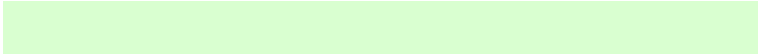
90.8258, 0.3071, 0.2850



90.8258, 0.3565, 0.3180

Sweetspot

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



90.8151, 0.3159, 0.3788



96.7793, 0.3138, 0.3441



91.4800, 0.3422, 0.3663



20.6426, 0.3139, 0.3458



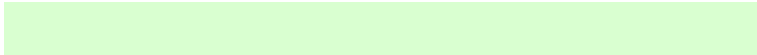
0.0000, 0.0000, 0.0000



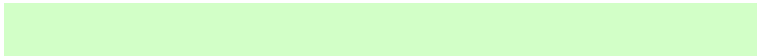
21.4041, 0.3127, 0.3290

Same Dimension

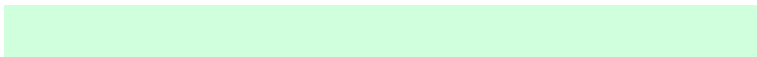
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8151, 0.3159, 0.3788



89.2788, 0.3164, 0.3896



90.2065, 0.3025, 0.3640



20.3345, 0.3144, 0.3534



37.7532, 0.3062, 0.5951



3.7178, 0.3129, 0.5897

Inverse Universe

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



71.9264, 0.3085, 0.2822



67.3114, 0.3074, 0.2728



72.7091, 0.3247, 0.2964



18.1154, 0.3107, 0.3054



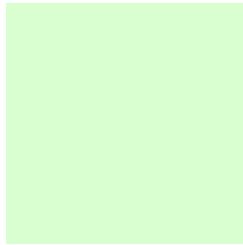
10.7257, 0.2730, 0.1278



1.0872, 0.2788, 0.1309

Previews

White Background



This preview shows how the Yxy color 90.8258, 0.3159, 0.3788 looks on a white background.

Color Contrast Check

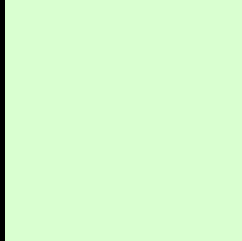
Large Text (above 18pt) WCAG AA × Fail

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 90.8258, 0.3159, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

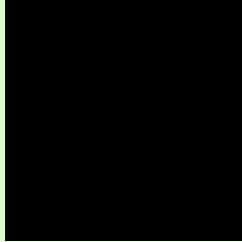
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

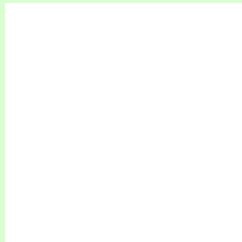
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8258, 0.3159, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 90.8258, 0.3159, 0.3788.

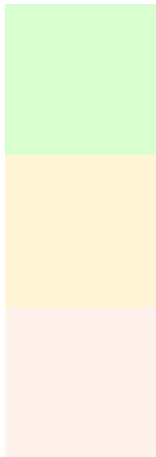


This preview shows how white text looks on a background with the Yxy color 90.8258, 0.3159, 0.3788.

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

90.8258, 0.3159, 0.3788

Protanopia

90.6645, 0.3405, 0.3617

Deuteranopia

90.1688, 0.3257, 0.3349



Tritanopia

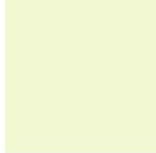
90.3577, 0.3012, 0.3191

Trichromacy



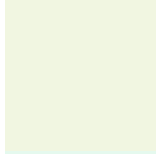
Original Color

90.8258, 0.3159, 0.3788



Protanomaly

90.4887, 0.3311, 0.3677



Deuteranomaly

90.0485, 0.3221, 0.3502



Tritanomaly

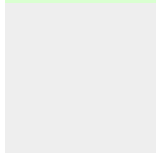
90.5824, 0.3065, 0.3402

Monochromacy



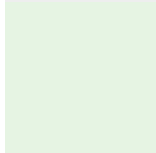
Original Color

90.8258, 0.3159, 0.3788



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.0704, 0.3138, 0.3466

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8258, 0.3159, 0.3788 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(217, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(217, 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(217, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 90.8258, 0.3159, 0.3788 is called "border". The border property can be set on classes, ids or directly on the HTML element.

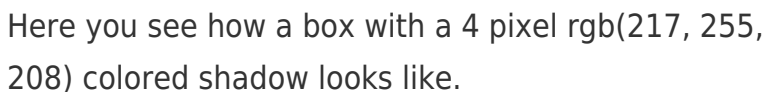
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 208) }
```

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

```
.border{ border-color:rgb(217, 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(217, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 255, 208); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 255, 208); box-shadow:4px 4px 4px 4px rgb(217, 255, 208) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8258, 0.3159, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 255, 208) }
```

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

```
.background{ background-color: rgb(217,  
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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