

Converting Colors

$Y_{xy}(100.0000, 0.3047, 0.3695)$

Have a look what the booklet for
Yxy(100.0000, 0.3047, 0.3695)
contains.

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Color

Yxy(91.8732, 0.3047, 0.3571)

Conversions

Conversions Part 1

Format	Color
Hex	D9FFE4
RGB	217, 255, 228
RGB Percent	85%, 100%, 89%
CMY	0.1488, 0.0000, 0.1058
CMYK	0.15, 0.00, 0.11, 0.00
HSL	137°, 100%, 93%
HSV	137°, 15%, 100%
XYZ	78.3919, 91.8732, 87.0107
YIQ	240.5600, -13.9810, -16.4530

Conversions

Conversions Part 2

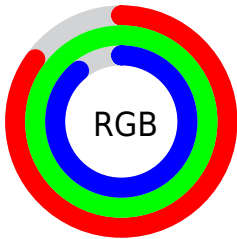
Format	Color
R_{YB}	217, 246, 255
Decimal	14286820
CIE _{Lab}	96.77, -17.17, 8.83
CIE _{LCh}	97, 19.309, 152.777
Yxy	91.8732, 0.3047, 0.3571
Android (android.graphics.Color)	4292476900 (0xFFD9FFE4)
YUV	240.5600, -6.1921, -20.6621
Hunter-Lab	95.8505, -21.7510, 13.2734

Details

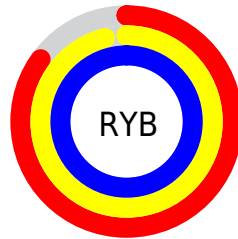
The Yxy color **91.8732, 0.3047, 0.3571** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **77.4453, 0.3218, 0.3025**, and the grayscale version is **87.6671, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0867, 0.3027, 0.3626** is the 20% darker color. If you saturate the color by 10%, you get **87.3106, 0.2995, 0.3789**, and if you desaturate by 10%, it is **97.1529, 0.3101, 0.3376**.

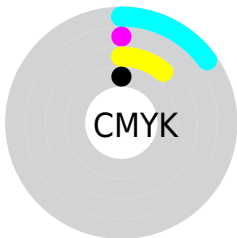
Distribution



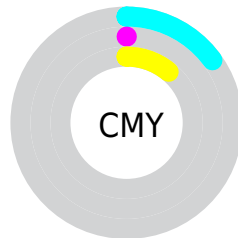
- Red (85%)
- Green (100%)
- Blue (89%)



- Red (85%)
- Yellow (96%)
- Blue (100%)



- Cyan (15%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (15%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.8732, 0.3047, 0.3571 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 91.8732, 0.3047, 0.3571 by changing the saturation by 10% instead.

 91.8732, 0.3047,
0.3571

 91.8732, 0.3047,
0.3571


534.1056, 0.3084,
0.3444

 69.5353, 0.3039,
0.3600

149.9376, 0.3060,
0.3527

 51.1478, 0.3028,
0.3634


186.4330, 0.3065,
0.3510

 36.3262, 0.3015,
0.3678


228.4163, 0.3069,
0.3495

 24.6863, 0.2998,
0.3735

276.2719, 0.3073,
0.3482

 15.8435, 0.2975,
0.3811

330.3842, 0.3076,
0.3471

 9.4135, 0.2942,
0.3918

391.1377, 0.3079,

 5.0118, 0.2892,

0.3461

0.4079

458.9167, 0.3082,
0.3452

■ 2.2542, 0.2804,
0.4351

■ 0.7493, 0.2362,
0.6039

■ 91.8732, 0.3047,
0.3571

■ 91.8732, 0.3047,
0.3571

■ 87.3106, 0.2995,
0.3789

■ 97.1529, 0.3101,
0.3376

■ 83.4226, 0.2946,
0.4030

99.9948, 0.3127,
0.3290

■ 80.1800, 0.2903,
0.4290

■ 77.5466, 0.2871,
0.4563

■ 75.4829, 0.2851,
0.4839

■ 73.9442, 0.2847,
0.5107

■ 72.8791, 0.2859,
0.5352

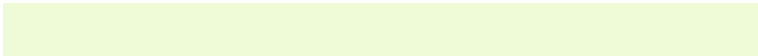
■ 72.2249, 0.2887,
0.5562

■ 72.0049, 0.2904,
0.5654

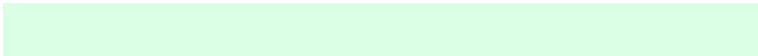
Harmonies

Analogous

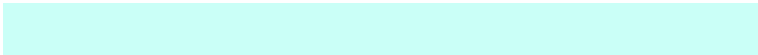
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.8732, 0.3263, 0.3665



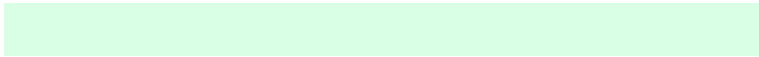
91.8732, 0.3047, 0.3571



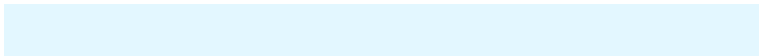
91.8732, 0.2857, 0.3394

Triad

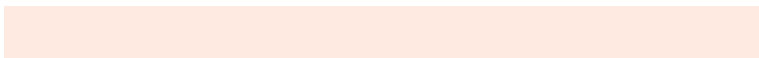
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.8732, 0.3047, 0.3571



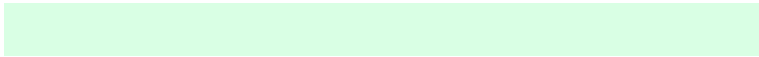
91.8732, 0.2810, 0.2939



91.8732, 0.3530, 0.3365

Complementary

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



91.8732, 0.3047, 0.3571



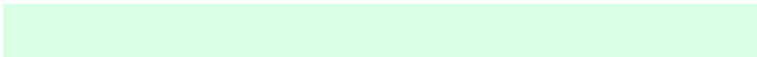
77.4453, 0.3218, 0.3025

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.



91.8732, 0.3400, 0.3183



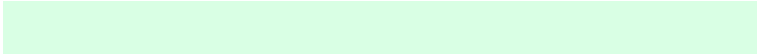
91.8732, 0.3047, 0.3571



91.8732, 0.2981, 0.2943

Square

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



91.8732, 0.3047, 0.3571



91.8732, 0.2723, 0.3027



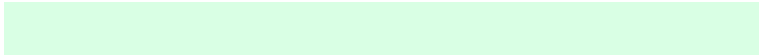
91.8732, 0.3197, 0.3031



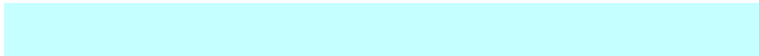
91.8732, 0.3547, 0.3536

Rectangle

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



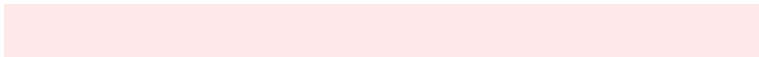
91.8732, 0.3047, 0.3571



91.8732, 0.2769, 0.3258



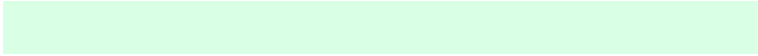
91.8732, 0.3197, 0.3031



91.8732, 0.3498, 0.3304

Sweetspot

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



91.8771, 0.3047, 0.3571



97.6582, 0.3106, 0.3361



95.8039, 0.3281, 0.3669



20.8114, 0.3102, 0.3374



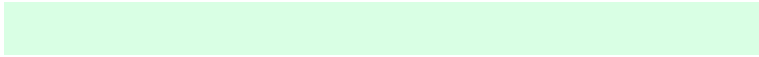
0.0000, 0.0000, 0.0000



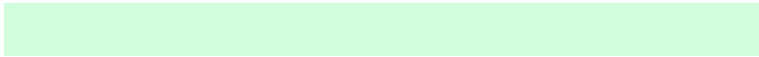
21.4041, 0.3127, 0.3290

Same Dimension

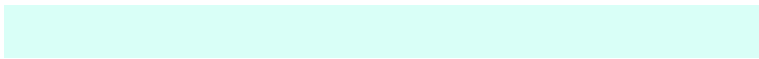
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.8771, 0.3047, 0.3571



90.3833, 0.3030, 0.3637



92.9761, 0.2944, 0.3374



20.2545, 0.3076, 0.3464



37.6491, 0.2896, 0.5626



3.6837, 0.2835, 0.5405

Inverse Universe

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



77.4453, 0.3218, 0.3025



73.3050, 0.3240, 0.2967



76.3631, 0.3348, 0.3208



18.2056, 0.3183, 0.3122



12.8860, 0.4107, 0.2036



1.2736, 0.3980, 0.1966

Previews

White Background



This preview shows how the Yxy color 91.8732, 0.3047, 0.3571 looks on a white background.

Color Contrast Check

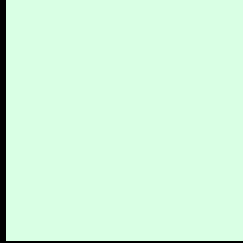
Large Text (above 18pt) WCAG AA × Fail

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 91.8732, 0.3047, 0.3571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

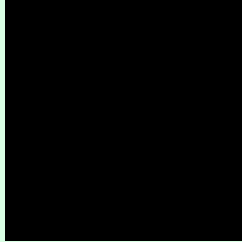
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

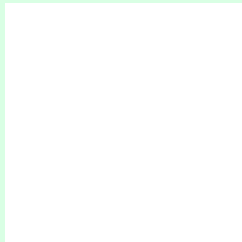
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.8732, 0.3047, 0.3571

Background



This preview shows how black text looks on a background with the Yxy color 91.8732, 0.3047, 0.3571.

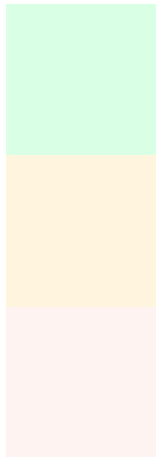


This preview shows how white text looks on a background with the Yxy color 91.8732, 0.3047, 0.3571.

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

91.8732, 0.3047, 0.3571

Protanopia

91.2353, 0.3336, 0.3507

Deuteranopia

91.7121, 0.3218, 0.3310



Tritanopia

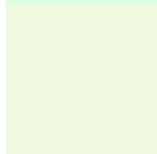
91.7461, 0.3018, 0.3211

Trichromacy



Original Color

91.8732, 0.3047, 0.3571



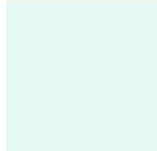
Protanomaly

91.2174, 0.3225, 0.3532



Deuteranomaly

91.2784, 0.3154, 0.3400



Tritanomaly

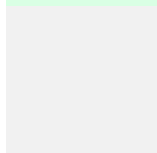
91.7868, 0.3031, 0.3340

Monochromacy



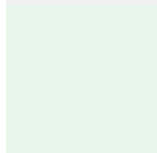
Original Color

91.8732, 0.3047, 0.3571



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.1235, 0.3097, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.8732, 0.3047, 0.3571 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, 228)` looks like.

```
.text, #text, p{  
    color:rgb(217, 255, 228)  
}
```

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, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 91.8732, 0.3047, 0.3571 is called "border". The border property can be set on classes, ids or directly on the HTML element.

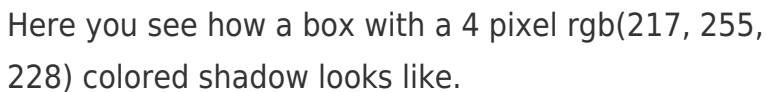
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(217, 255, 228) }
```

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

```
.border{ border-color:rgb(217, 255, 228) }
```

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, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 255, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 255, 228); box-shadow:4px 4px 4px 4px rgb(217, 255, 228) }
```


Background

The CSS property to change the background color of an element to Yxy 91.8732, 0.3047, 0.3571 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, 228) }
```

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

```
.background{ background-color: rgb(217,  
255, 228) }
```

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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