

Converting Colors

$Y_{xy}(91.8512, 0.3125, 0.3679)$

Have a look what the booklet for
Yxy(91.8512, 0.3125, 0.3679)
contains.

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Color

Yxy(91.7976, 0.3121, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	DCFFDA
RGB	220, 255, 218
RGB Percent	86%, 100%, 85%
CMY	0.1375, 0.0000, 0.1451
CMYK	0.14, 0.00, 0.15, 0.00
HSL	117°, 100%, 93%
HSV	117°, 15%, 100%
XYZ	77.9169, 91.7976, 79.9391
YIQ	240.3170, -8.9830, -18.9270

Conversions

Conversions Part 2

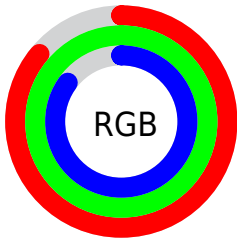
Format	Color
R _Y B	218, 255, 253
Decimal	14483418
CIE Lab	96.74, -17.99, 13.95
CIE LCh	97, 22.762, 142.202
Yxy	91.7976, 0.3121, 0.3677
Android (android.graphics.Color)	4292673498 (0xFFDCFFDA)
YUV	240.3170, -11.0023, -17.8180
Hunter-Lab	95.8111, -22.5070, 17.5997

Details

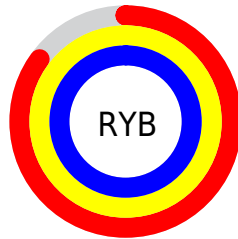
The Yxy color **91.7976, 0.3121, 0.3677** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **78.2546, 0.3130, 0.2929**, and the grayscale version is **87.4772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0318, 0.3121, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **87.0549, 0.3114, 0.3985**, and if you desaturate by 10%, it is **97.2728, 0.3126, 0.3403**.

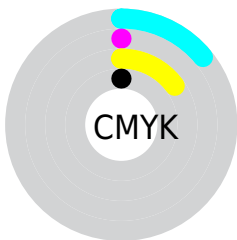
Distribution



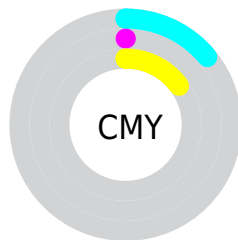
- Red (86%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (99%)



- Cyan (14%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (14%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 91.7976, 0.3121, 0.3677 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 91.7976, 0.3121, 0.3677 by changing the saturation by 10% instead.

 91.7976, 0.3121,
0.3677

 91.7976, 0.3121,
0.3677


533.8612, 0.3126,
0.3501

 69.4725, 0.3119,
0.3717


149.8328, 0.3123,
0.3616

 51.0966, 0.3117,
0.3765

186.3118, 0.3124,
0.3593

 36.2855, 0.3114,
0.3826


228.2775, 0.3124,
0.3572

 24.6548, 0.3109,
0.3905

276.1144, 0.3125,
0.3554

 15.8200, 0.3102,
0.4012

330.2068, 0.3125,
0.3538

 9.3969, 0.3089,
0.4162

390.9391, 0.3126,

 5.0010, 0.3065,

0.3524

0.4389

458.6958, 0.3126,
0.3512

■ 2.2478, 0.3012,
0.4771

■ 0.7459, 0.2657,
0.7343

■ 91.7976, 0.3121,
0.3677

■ 91.7976, 0.3121,
0.3677

■ 87.0549, 0.3114,
0.3985

■ 97.2728, 0.3126,
0.3403

■ 83.0384, 0.3105,
0.4322

100.0000, 0.3127,
0.3290

■ 79.7044, 0.3094,
0.4677

■ 77.0147, 0.3079,
0.5032

■ 74.9278, 0.3063,
0.5363

■ 73.3972, 0.3045,
0.5642

■ 72.3693, 0.3028,
0.5845

■ 71.7803, 0.3013,
0.5961

■ 71.6087, 0.3008,
0.5994

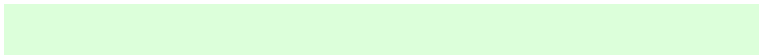
Harmonies

Analogous

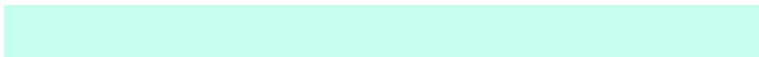
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.7976, 0.3371, 0.3742



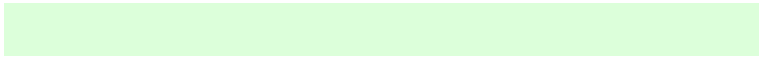
91.7976, 0.3121, 0.3677



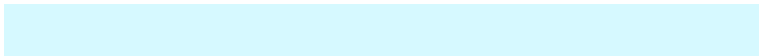
91.7976, 0.2880, 0.3494

Triad

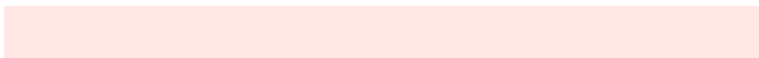
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



91.7976, 0.3121, 0.3677



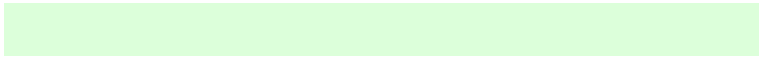
91.7976, 0.2706, 0.2902



91.7976, 0.3563, 0.3300

Complementary

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



91.7976, 0.3121, 0.3677



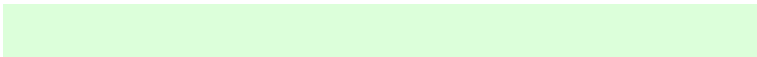
78.2546, 0.3130, 0.2929

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.



91.7976, 0.3371, 0.3095



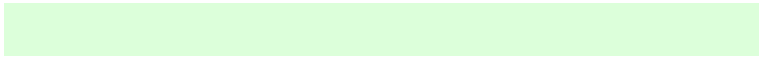
91.7976, 0.3121, 0.3677



91.7976, 0.2875, 0.2870

Square

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



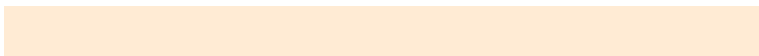
91.7976, 0.3121, 0.3677



91.7976, 0.2647, 0.3039



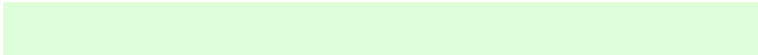
91.7976, 0.3117, 0.2941



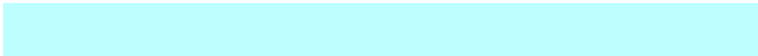
91.7976, 0.3633, 0.3511

Rectangle

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



91.7976, 0.3121, 0.3677



91.7976, 0.2755, 0.3336



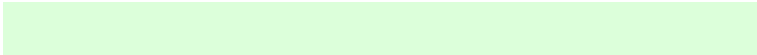
91.7976, 0.3117, 0.2941



91.7976, 0.3510, 0.3229

Sweetspot

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



91.7888, 0.3121, 0.3677



97.5734, 0.3126, 0.3389



96.2780, 0.3349, 0.3628



20.7901, 0.3126, 0.3409



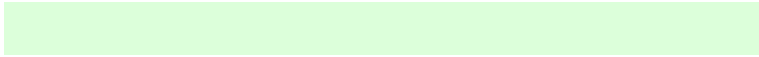
0.0000, 0.0000, 0.0000



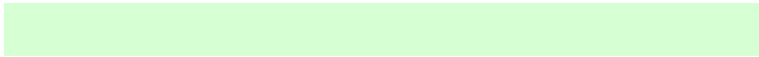
21.4041, 0.3127, 0.3290

Same Dimension

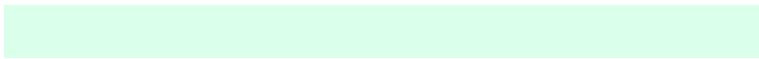
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.7888, 0.3121, 0.3677



90.5414, 0.3120, 0.3750



92.3675, 0.3019, 0.3507



20.2137, 0.3124, 0.3535



37.4357, 0.3011, 0.5991



3.6603, 0.3036, 0.5971

Inverse Universe

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



78.2546, 0.3130, 0.2929



74.9623, 0.3131, 0.2865



77.6318, 0.3252, 0.3083



18.2488, 0.3130, 0.3055



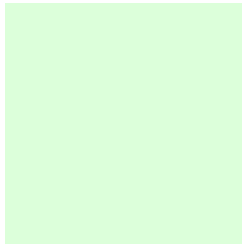
13.6194, 0.3078, 0.1469



1.3404, 0.3093, 0.1478

Previews

White Background



This preview shows how the Yxy color 91.7976, 0.3121, 0.3677 looks on a white background.

Color Contrast Check

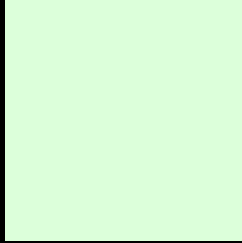
Large Text (above 18pt) WCAG AA × Fail

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 91.7976, 0.3121, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

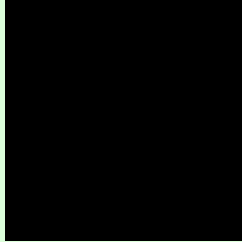
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

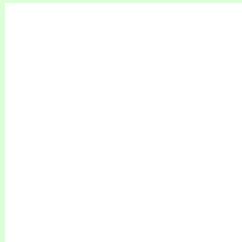
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.7976, 0.3121, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 91.7976, 0.3121, 0.3677.

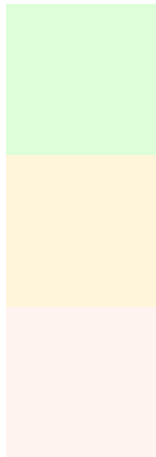


This preview shows how white text looks on a background with the Yxy color 91.7976, 0.3121, 0.3677.

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

91.7976, 0.3121, 0.3677

Protanopia

91.6793, 0.3353, 0.3547

Deuteranopia

91.5932, 0.3230, 0.3329

Tritanopia

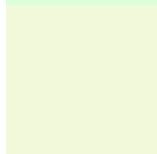
91.3087, 0.3024, 0.3201

Trichromacy



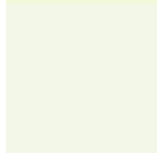
Original Color

91.7976, 0.3121, 0.3677



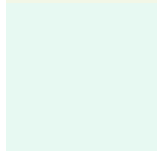
Protanomaly

91.7431, 0.3261, 0.3593



Deuteranomaly

91.1683, 0.3191, 0.3450



Tritanomaly

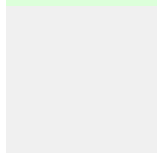
91.1511, 0.3055, 0.3361

Monochromacy



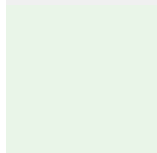
Original Color

91.7976, 0.3121, 0.3677



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.4546, 0.3127, 0.3423

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.7976, 0.3121, 0.3677 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(220, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(220, 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(220, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 255, 218) }
```

Border

The CSS property to change the border of an element to Yxy 91.7976, 0.3121, 0.3677 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(220, 255, 218) }
```

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

```
.border{ border-color:rgb(220, 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(220, 255, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(220, 255,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 91.7976, 0.3121, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 255, 218) }
```

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

```
.background{ background-color: rgb(220,  
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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