

Converting Colors

$Y_{xy}(111.0110, 0.3191, 0.4099)$

Have a look what the booklet for
Yxy(111.0110, 0.3191, 0.4099)
contains.

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Color

Yxy(91.3614, 0.3220, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFCB
RGB	222, 255, 203
RGB Percent	87%, 100%, 80%
CMY	0.1292, 0.0000, 0.2040
CMYK	0.13, 0.00, 0.20, 0.00
HSL	98°, 100%, 90%
HSV	98°, 20%, 100%
XYZ	76.6702, 91.3614, 70.0747
YIQ	239.2050, -2.9760, -23.1680

Conversions

Conversions Part 2

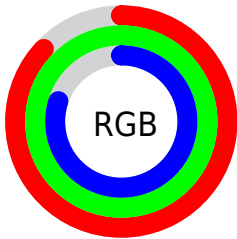
Format	Color
RYB	203, 255, 236
Decimal	14614475
CIELab	96.56, -19.72, 21.39
CIELCh	97, 29.097, 132.678
Yxy	91.3614, 0.3220, 0.3837
Android (android.graphics.Color)	4292804555 (0xFFDEFFCB)
YUV	239.2050, -17.8491, -15.0888
Hunter-Lab	95.5832, -24.0901, 23.4410

Details

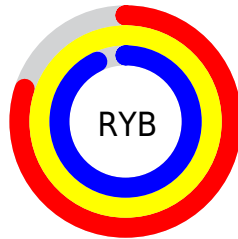
The Yxy color **91.3614, 0.3220, 0.3837** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **67.7390, 0.3013, 0.2759**, and the grayscale version is **86.6340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6651, 0.3229, 0.3957** is the 20% darker color. If you saturate the color by 10%, you get **87.8178, 0.3261, 0.4140**, and if you desaturate by 10%, it is **95.3572, 0.3175, 0.3556**.

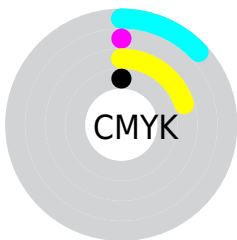
Distribution



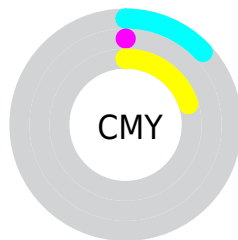
- Red (87%)
- Green (100%)
- Blue (80%)



- Red (80%)
- Yellow (100%)
- Blue (93%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.3614, 0.3220, 0.3837 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 91.3614, 0.3220, 0.3837 by changing the saturation by 10% instead.


 91.3614, 0.3220,
0.3837

 91.3614, 0.3220,
0.3837

532.4495, 0.3183,
0.3586

 69.1103, 0.3227,
0.3893

149.2280, 0.3208,
0.3751

 50.8016, 0.3235,
0.3963


185.6123, 0.3203,
0.3717

 36.0507, 0.3244,
0.4050


227.4765, 0.3199,
0.3688

 24.4734, 0.3254,
0.4163

275.2050, 0.3195,
0.3662

 15.6851, 0.3265,
0.4314

329.1822, 0.3192,
0.3640

 9.3016, 0.3274,
0.4528

389.7924, 0.3188,

 4.9384, 0.3275,

0.3620

0.4848

457.4200, 0.3186,
0.3602

■ 2.2112, 0.3298,
0.5465

■ 0.7261, 0.2232,
0.7768

■ 91.3614, 0.3220,
0.3837

■ 91.3614, 0.3220,
0.3837

■ 87.8178, 0.3261,
0.4140

■ 95.3572, 0.3175,
0.3556

■ 84.6980, 0.3294,
0.4457

99.8090, 0.3129,
0.3300

■ 81.9882, 0.3316,
0.4777

99.9986, 0.3127,
0.3290

■ 79.6692, 0.3325,
0.5084

■ 77.7203, 0.3316,
0.5360

■ 76.1181, 0.3288,
0.5586

■ 74.8361, 0.3244,
0.5749

■ 73.8704, 0.3192,
0.5848

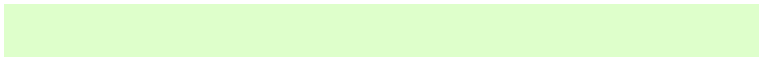
Harmonies

Analogous

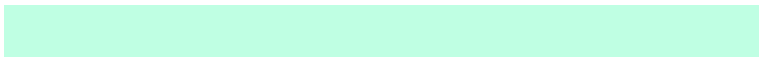
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3614, 0.3525, 0.3860



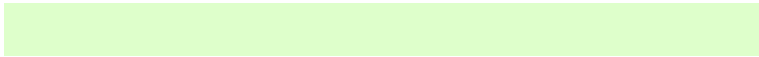
91.3614, 0.3220, 0.3837



91.3614, 0.2900, 0.3642

Triad

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



91.3614, 0.3220, 0.3837



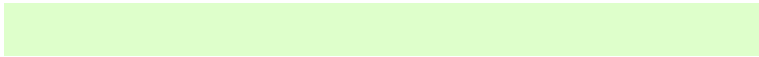
91.3614, 0.2553, 0.2835



91.3614, 0.3622, 0.3213

Complementary

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



91.3614, 0.3220, 0.3837



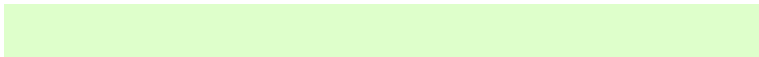
67.7390, 0.3013, 0.2759

Split Complementary

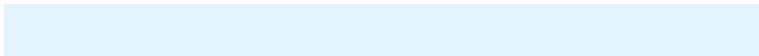
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3614, 0.3339, 0.2972



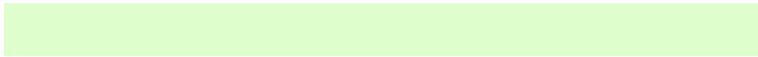
91.3614, 0.3220, 0.3837



91.3614, 0.2724, 0.2756

Square

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



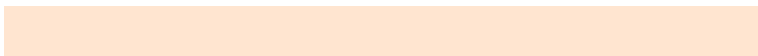
91.3614, 0.3220, 0.3837



91.3614, 0.2527, 0.3043



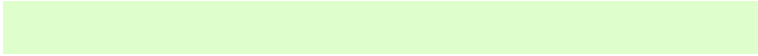
91.3614, 0.3008, 0.2808



91.3614, 0.3768, 0.3483

Rectangle

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



91.3614, 0.3220, 0.3837



91.3614, 0.2722, 0.3446



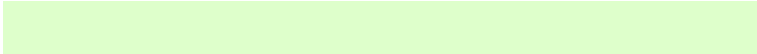
91.3614, 0.3008, 0.2808



91.3614, 0.3539, 0.3127

Sweetspot

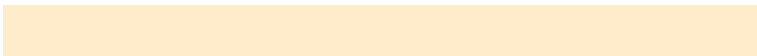
The Sweet Spot groups the original color and five complimentary colors.



91.3653, 0.3220, 0.3837



97.2614, 0.3155, 0.3440



85.5159, 0.3472, 0.3621



20.7563, 0.3158, 0.3457



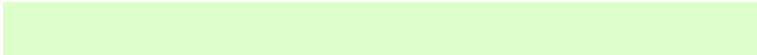
0.0000, 0.0000, 0.0000



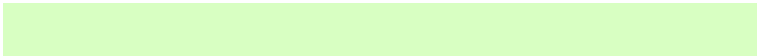
21.4041, 0.3127, 0.3290

Same Dimension

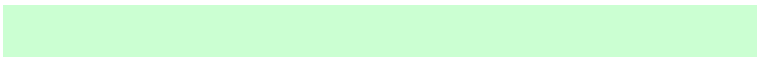
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3653, 0.3220, 0.3837



90.0405, 0.3235, 0.3944



88.8598, 0.3062, 0.3779



20.4923, 0.3171, 0.3532



38.6767, 0.3203, 0.5839



3.8252, 0.3290, 0.5770

Inverse Universe

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



67.7390, 0.3013, 0.2759



62.9654, 0.2989, 0.2659



70.7394, 0.3200, 0.2846



17.9481, 0.3079, 0.3052



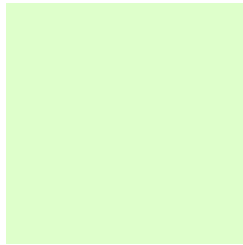
7.8481, 0.2305, 0.1043



0.8261, 0.2407, 0.1100

Previews

White Background



This preview shows how the Yxy color 91.3614, 0.3220, 0.3837 looks on a white background.

Color Contrast Check

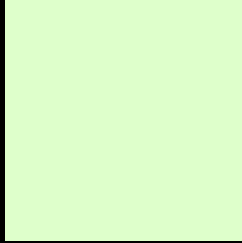
Large Text (above 18pt) WCAG AA × Fail

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 91.3614, 0.3220, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

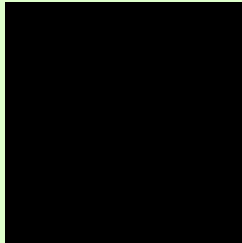
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

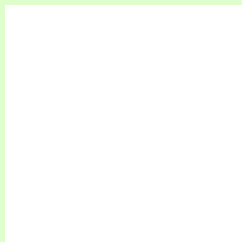
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 91.3614, 0.3220, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 91.3614, 0.3220, 0.3837.

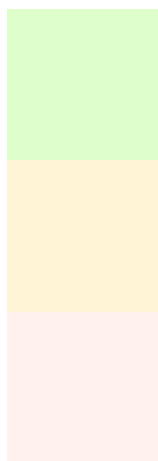


This preview shows how white text looks on a background with the Yxy color 91.3614, 0.3220, 0.3837.

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

91.3614, 0.3220, 0.3837

Protanopia

90.8164, 0.3386, 0.3587

Deuteranopia

90.8204, 0.3250, 0.3349



Tritanopia

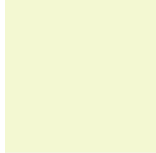
91.4823, 0.3030, 0.3201

Trichromacy



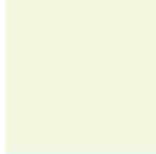
Original Color

91.3614, 0.3220, 0.3837



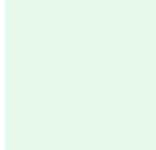
Protanomaly

90.8426, 0.3324, 0.3675



Deuteranomaly

90.9580, 0.3240, 0.3521



Tritanomaly

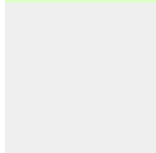
91.1311, 0.3102, 0.3422

Monochromacy



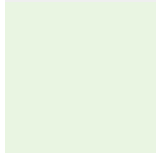
Original Color

91.3614, 0.3220, 0.3837



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.1194, 0.3163, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.3614, 0.3220, 0.3837 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(222, 255, 203)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 203)  
}
```

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(222, 255, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 203) }
```

Border

The CSS property to change the border of an element to Yxy 91.3614, 0.3220, 0.3837 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(222, 255, 203) }
```

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

```
.border{ border-color:rgb(222, 255, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 203);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 91.3614, 0.3220, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 203) }
```

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

```
.background{ background-color: rgb(222,  
255, 203) }
```

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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