

Converting Colors

$Y_{xy}(86.5008, 0.3170, 0.3650)$

Have a look what the booklet for
Yxy(86.5008, 0.3170, 0.3650)
contains.

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Color

Yxy(86.8552, 0.3168, 0.3649)

Conversions

Conversions Part 1

Format	Color
Hex	DEF7D5
RGB	222, 247, 213
RGB Percent	87%, 97%, 84%
CMY	0.1293, 0.0314, 0.1646
CMYK	0.10, 0.00, 0.14, 0.03
HSL	104°, 68%, 90%
HSV	104°, 14%, 97%
XYZ	75.4062, 86.8552, 75.7633
YIQ	235.6490, -3.9860, -15.8740

Conversions

Conversions Part 2

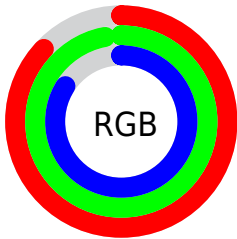
Format	Color
RYB	213, 247, 238
Decimal	14612437
CIELab	94.68, -14.18, 13.60
CIELCh	95, 19.648, 136.215
Yxy	86.8552, 0.3168, 0.3649
Android (android.graphics.Color)	4292802517 (0xFFDEF7D5)
YUV	235.6490, -11.1660, -11.9702
Hunter-Lab	93.1961, -18.6666, 17.0378

Details

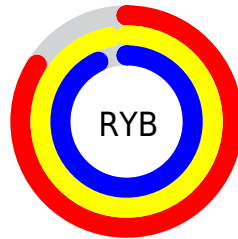
The Yxy color **86.8552, 0.3168, 0.3649** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **72.4974, 0.3079, 0.2943**, and the grayscale version is **83.6955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.9457, 0.3179, 0.3742** is the 20% darker color. If you saturate the color by 10%, you get **82.9839, 0.3195, 0.3943**, and if you desaturate by 10%, it is **91.2337, 0.3139, 0.3383**.

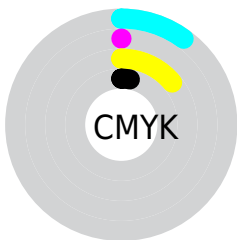
Distribution



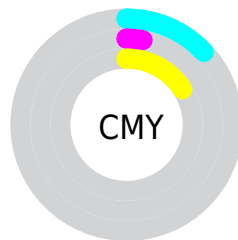
- Red (87%)
- Green (97%)
- Blue (84%)



- Red (84%)
- Yellow (97%)
- Blue (93%)



- Cyan (10%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)





- Cyan (13%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.8552, 0.3168, 0.3649 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 86.8552, 0.3168, 0.3649 by changing the saturation by 10% instead.


 86.8552, 0.3168,
0.3649

 86.8552, 0.3168,
0.3649

517.7469, 0.3152,
0.3484

 65.3754, 0.3171,
0.3686


142.9623, 0.3163,
0.3592

 47.7655, 0.3175,
0.3732


178.3584, 0.3161,
0.3570

 33.6412, 0.3179,
0.3790


219.1620, 0.3159,
0.3551

 22.6181, 0.3184,
0.3865

265.7575, 0.3157,
0.3534

 14.3118, 0.3189,
0.3966

318.5294, 0.3155,
0.3519

 8.3378, 0.3194,
0.4111

377.8620, 0.3154,

 4.3119, 0.3197,

0.3506

0.4332

444.1397, 0.3153,
0.3495

■ 1.8495, 0.3191,
0.4720

■ 0.5178, 0.2198,
0.7802

■ 86.8552, 0.3168,
0.3649

■ 86.8552, 0.3168,
0.3649

■ 82.9839, 0.3195,
0.3943

■ 91.2337, 0.3139,
0.3383

■ 79.5902, 0.3217,
0.4260

■ 94.9979, 0.3131,
0.3214

■ 76.6583, 0.3232,
0.4591

■ 74.1675, 0.3237,
0.4922

■ 72.0949, 0.3230,
0.5235

■ 70.4160, 0.3209,
0.5508

■ 69.1028, 0.3175,
0.5720

■ 68.1234, 0.3132,
0.5862

■ 67.6575, 0.3103,
0.5918

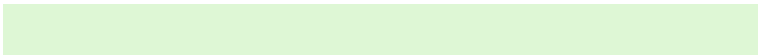
Harmonies

Analogous

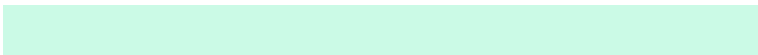
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8552, 0.3382, 0.3684



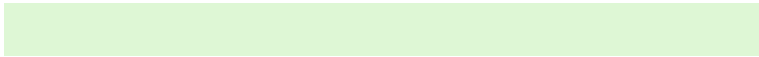
86.8552, 0.3168, 0.3649



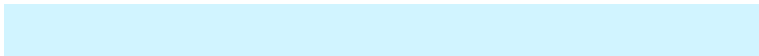
86.8552, 0.2949, 0.3507

Triad

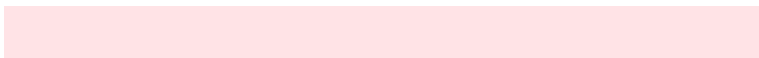
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.8552, 0.3168, 0.3649



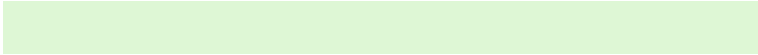
86.8552, 0.2737, 0.2966



86.8552, 0.3483, 0.3262

Complementary

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



86.8552, 0.3168, 0.3649



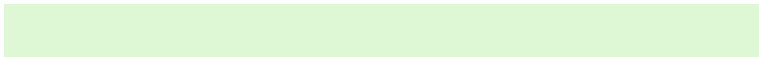
72.4974, 0.3079, 0.2943

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.



86.8552, 0.3300, 0.3086



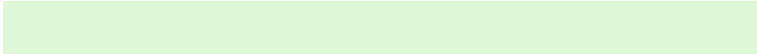
86.8552, 0.3168, 0.3649



86.8552, 0.2869, 0.2917

Square

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



86.8552, 0.3168, 0.3649



86.8552, 0.2705, 0.3104



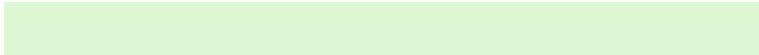
86.8552, 0.3074, 0.2962



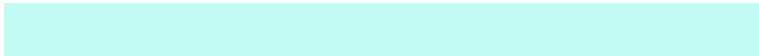
86.8552, 0.3569, 0.3451

Rectangle

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



86.8552, 0.3168, 0.3649



86.8552, 0.2829, 0.3374



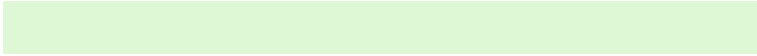
86.8552, 0.3074, 0.2962



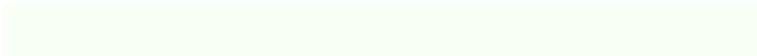
86.8552, 0.3431, 0.3200

Sweetspot

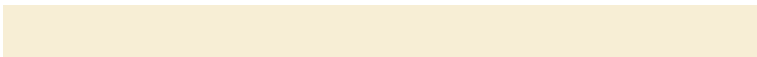
The Sweet Spot groups the original color and five complimentary colors.



86.8589, 0.3168, 0.3649



97.9661, 0.3139, 0.3389



85.6922, 0.3346, 0.3543



20.8891, 0.3142, 0.3408



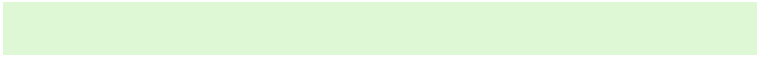
0.0000, 0.0000, 0.0000



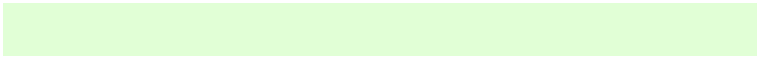
21.4041, 0.3127, 0.3290

Same Dimension

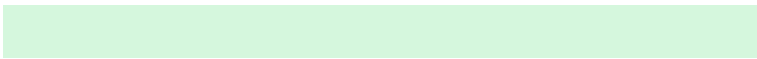
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.8589, 0.3168, 0.3649



92.3949, 0.3174, 0.3714



85.8876, 0.3064, 0.3568



18.6843, 0.3156, 0.3532



35.8423, 0.3112, 0.5911



3.1983, 0.3200, 0.5841

Inverse Universe

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



72.4974, 0.3079, 0.2943



74.6810, 0.3070, 0.2883



73.6154, 0.3197, 0.3027



16.5345, 0.3095, 0.3054



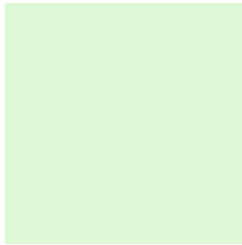
8.8544, 0.2547, 0.1177



0.8280, 0.2633, 0.1224

Previews

White Background



This preview shows how the Yxy color 86.8552, 0.3168, 0.3649 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 86.8552, 0.3168, 0.3649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

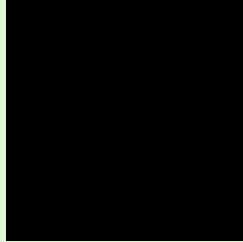
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

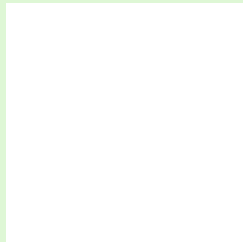
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.8552, 0.3168, 0.3649

Background



This preview shows how black text looks on a background with the Yxy color 86.8552, 0.3168, 0.3649.

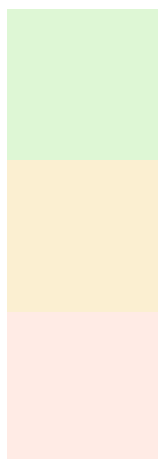


This preview shows how white text looks on a background with the Yxy color 86.8552, 0.3168, 0.3649.

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

86.8552, 0.3168, 0.3649

Protanopia

86.8457, 0.3398, 0.3592

Deuteranopia

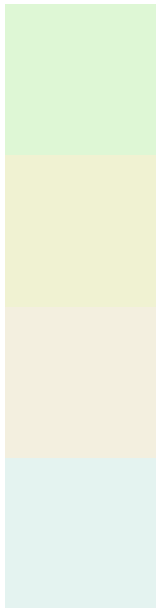
86.3338, 0.3302, 0.3350



Tritanopia

86.6960, 0.2987, 0.3139

Trichromacy



Original Color

86.8552, 0.3168, 0.3649

Protanomaly

86.6827, 0.3312, 0.3619

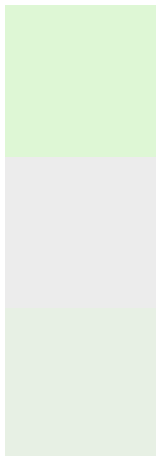
Deuteranomaly

86.1154, 0.3253, 0.3453

Tritanomaly

86.8864, 0.3049, 0.3321

Monochromacy



Original Color

86.8552, 0.3168, 0.3649

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.9105, 0.3141, 0.3414

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8552, 0.3168, 0.3649 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, 247, 213)` looks like.

```
.text, #text, p{  
    color:rgb(222, 247, 213)  
}
```

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, 247, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 247, 213) }
```

Border

The CSS property to change the border of an element to Yxy 86.8552, 0.3168, 0.3649 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, 247, 213) }
```

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

```
.border{ border-color:rgb(222, 247, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 247, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 247, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 247, 213);  
box-shadow:4px 4px 4px 4px rgb(222, 247,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8552, 0.3168, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 247, 213) }
```

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

```
.background{ background-color: rgb(222,  
247, 213) }
```

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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