

Converting Colors

$Yxy(90.8677, 0.3117, 0.3544)$

Have a look what the booklet for
Yxy(90.8677, 0.3117, 0.3544)
contains.

Yxy(90.8162, 0.3121, 0.3548)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(90.8162, 0.3121, 0.3548)

Conversions

Conversions Part 1

Format	Color
Hex	E3FBE2
RGB	227, 251, 226
RGB Percent	89%, 98%, 89%
CMY	0.1101, 0.0156, 0.1138
CMYK	0.10, 0.00, 0.10, 0.02
HSL	118°, 76%, 94%
HSV	118°, 10%, 98%
XYZ	79.8865, 90.8162, 85.2618
YIQ	240.9740, -6.2790, -12.8630

Conversions

Conversions Part 2

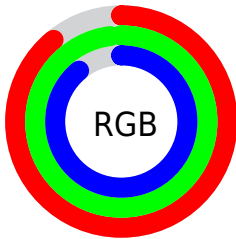
Format	Color
R _Y B	226, 251, 250
Decimal	14941154
CIE Lab	96.33, -12.34, 9.34
CIE LCh	96, 15.472, 142.884
Yxy	90.8162, 0.3121, 0.3548
Android (android.graphics.Color)	4293131234 (0xFFE3FBE2)
YUV	240.9740, -7.3822, -12.2552
Hunter-Lab	95.2975, -17.1368, 13.6621

Details

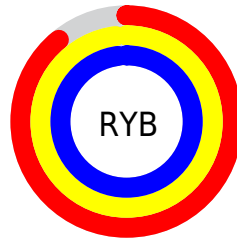
The Yxy color **90.8162, 0.3121, 0.3548** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6922, 0.3132, 0.3044**, and the grayscale version is **87.9984, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2945, 0.3121, 0.3595** is the 20% darker color. If you saturate the color by 10%, you get **85.8869, 0.3113, 0.3841**, and if you desaturate by 10%, it is **96.5060, 0.3127, 0.3289**.

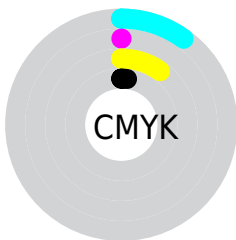
Distribution



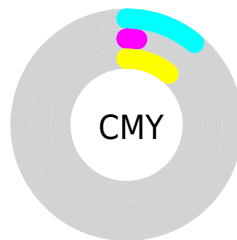
- Red (89%)
- Green (98%)
- Blue (89%)



- Red (89%)
- Yellow (98%)
- Blue (98%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (2%)





- Cyan (11%)
- Magenta (2%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.8162, 0.3121, 0.3548 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 90.8162, 0.3121, 0.3548 by changing the saturation by 10% instead.


 90.8162, 0.3121,
0.3548

 90.8162, 0.3121,
0.3548


530.6824, 0.3125,
0.3431

 68.6578, 0.3120,
0.3574


148.4716, 0.3122,
0.3508

 50.4331, 0.3119,
0.3606


184.7374, 0.3123,
0.3492

 35.7576, 0.3117,
0.3646


226.4745, 0.3123,
0.3479

 24.2471, 0.3114,
0.3698

274.0672, 0.3124,
0.3467

 15.5170, 0.3110,
0.3767

327.8999, 0.3124,
0.3456

 9.1830, 0.3103,
0.3865

388.3571, 0.3124,

 4.8608, 0.3091,

0.3447

0.4012

455.8231, 0.3125,
0.3439

■ 2.1658, 0.3065,
0.4259

■ 0.7012, 0.3103,
0.5956

■ 90.8162, 0.3121,
0.3548

■ 90.8162, 0.3121,
0.3548

■ 85.8869, 0.3113,
0.3841

■ 96.5060, 0.3127,
0.3289

■ 81.6747, 0.3103,
0.4167

■ 97.4892, 0.3129,
0.3252

■ 78.1499, 0.3091,
0.4516

■ 75.2759, 0.3076,
0.4875

■ 73.0129, 0.3060,
0.5222

■ 71.3167, 0.3044,
0.5528

■ 70.1371, 0.3028,
0.5768

■ 69.4152, 0.3014,
0.5922

■ 69.0710, 0.3005,
0.5996

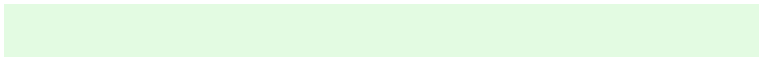
Harmonies

Analogous

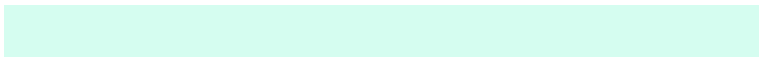
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8162, 0.3292, 0.3596



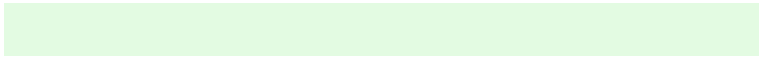
90.8162, 0.3121, 0.3548



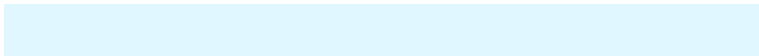
90.8162, 0.2955, 0.3425

Triad

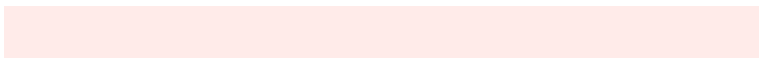
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.8162, 0.3121, 0.3548



90.8162, 0.2839, 0.3023



90.8162, 0.3425, 0.3303

Complementary

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



90.8162, 0.3121, 0.3548



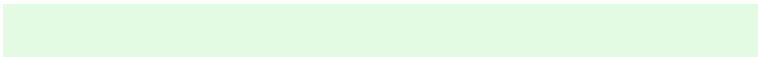
81.6922, 0.3132, 0.3044

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.



90.8162, 0.3298, 0.3159



90.8162, 0.3121, 0.3548



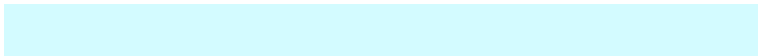
90.8162, 0.2959, 0.3000

Square

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



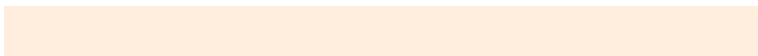
90.8162, 0.3121, 0.3548



90.8162, 0.2796, 0.3118



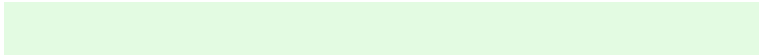
90.8162, 0.3126, 0.3050



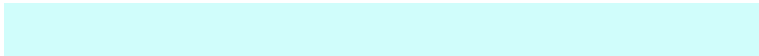
90.8162, 0.3470, 0.3448

Rectangle

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



90.8162, 0.3121, 0.3548



90.8162, 0.2869, 0.3320



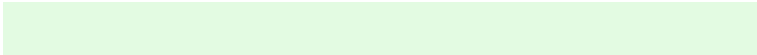
90.8162, 0.3126, 0.3050



90.8162, 0.3390, 0.3253

Sweetspot

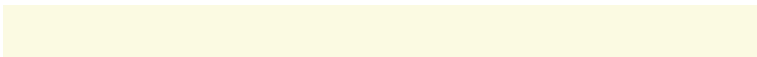
The Sweet Spot groups the original color and five complimentary colors.



90.8201, 0.3121, 0.3548



98.1476, 0.3125, 0.3364



94.2337, 0.3277, 0.3524



20.9043, 0.3125, 0.3384



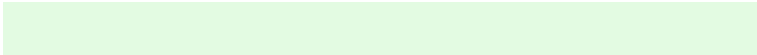
0.0000, 0.0000, 0.0000



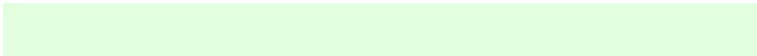
21.4041, 0.3127, 0.3290

Same Dimension

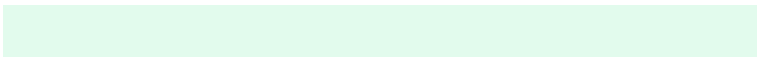
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8201, 0.3121, 0.3548



93.0206, 0.3120, 0.3605



91.3057, 0.3050, 0.3431



19.3405, 0.3121, 0.3535



36.3123, 0.3008, 0.5994



3.3738, 0.3027, 0.5978

Inverse Universe

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



81.6922, 0.3132, 0.3044



81.7880, 0.3133, 0.2993



81.1779, 0.3212, 0.3154



17.4892, 0.3132, 0.3056



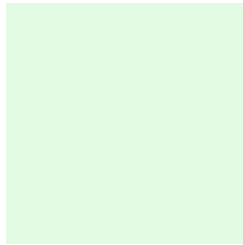
13.5540, 0.3115, 0.1490



1.2655, 0.3127, 0.1496

Previews

White Background



This preview shows how the Yxy color 90.8162, 0.3121, 0.3548 looks on a white background.

Color Contrast Check

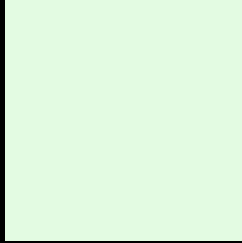
Large Text (above 18pt) WCAG AA × Fail

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 90.8162, 0.3121, 0.3548 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

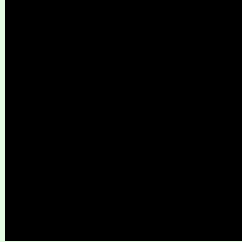
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

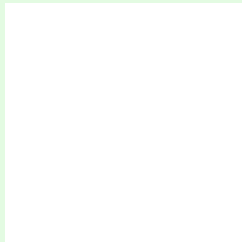
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8162, 0.3121, 0.3548

Background



This preview shows how black text looks on a background with the Yxy color 90.8162, 0.3121, 0.3548.

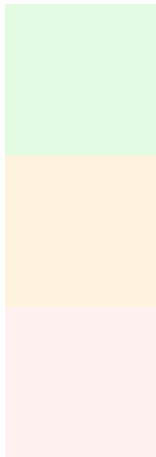


This preview shows how white text looks on a background with the Yxy color 90.8162, 0.3121, 0.3548.

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

90.8162, 0.3121, 0.3548

Protanopia

90.4459, 0.3330, 0.3498

Deuteranopia

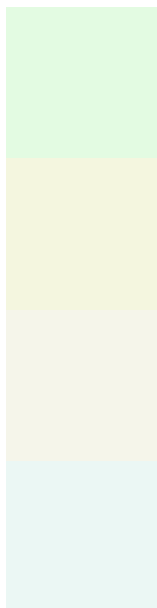
90.4026, 0.3232, 0.3310



Tritanopia

90.8755, 0.3030, 0.3191

Trichromacy



Original Color

90.8162, 0.3121, 0.3548

Protanomaly

90.4723, 0.3253, 0.3521

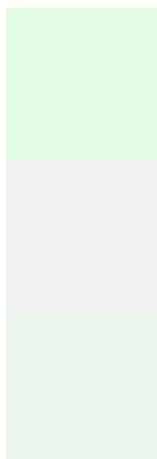
Deuteranomaly

90.6578, 0.3193, 0.3400

Tritanomaly

90.7153, 0.3069, 0.3320

Monochromacy



Original Color

90.8162, 0.3121, 0.3548

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

89.1938, 0.3123, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8162, 0.3121, 0.3548 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(227, 251, 226)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 226)  
}
```

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(227, 251, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 226) }
```

Border

The CSS property to change the border of an element to Yxy 90.8162, 0.3121, 0.3548 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(227, 251, 226) }
```

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

```
.border{ border-color:rgb(227, 251, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 251, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 226);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8162, 0.3121, 0.3548 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 226) }
```

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

```
.background{ background-color: rgb(227,  
251, 226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor