

# Converting Colors

$Yxy(90.3849, 0.3052, 0.3369)$

Have a look what the booklet for  
Yxy(90.3849, 0.3052, 0.3369)  
contains.

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# Color

**Yxy(90.1437, 0.3048, 0.3361)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F8F1
RGB	229, 248, 241
RGB Percent	90%, 97%, 95%
CMY	0.1021, 0.0274, 0.0549
CMYK	0.08, 0.00, 0.03, 0.03
HSL	158°, 58%, 94%
HSV	158°, 8%, 97%
XYZ	81.7489, 90.1437, 96.3124
YIQ	241.5210, -9.0770, -6.2050

# Conversions

## Conversions Part 2

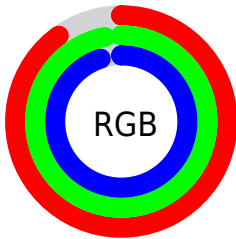
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	229, 241, 248
Decimal	15071473
CIE Lab	96.06, -7.50, 1.21
CIE LCh	96, 7.598, 170.806
Yxy	90.1437, 0.3048, 0.3361
Android (android.graphics.Color)	4293261553 (0xFFE5F8F1)
YUV	241.5210, -0.2569, -10.9809
Hunter-Lab	94.9440, -12.4597, 6.3163

# Details

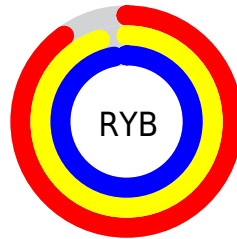
The Yxy color **90.1437, 0.3048, 0.3361** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.0321, 0.3213, 0.3220**, and the grayscale version is **88.4005, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.0863, 0.3027, 0.3381** is the 20% darker color. If you saturate the color by 10%, you get **85.8239, 0.2948, 0.3463**, and if you desaturate by 10%, it is **95.0812, 0.3151, 0.3270**.

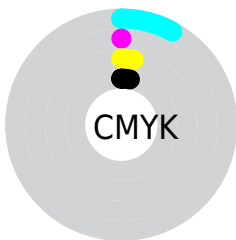
# Distribution



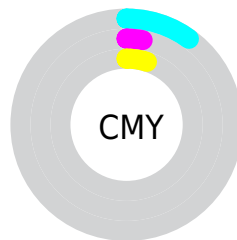
- Red (90%)
- Green (97%)
- Blue (95%)



- Red (90%)
- Yellow (95%)
- Blue (97%)



- Cyan (8%)
- Magenta (0%)
- Yellow (3%)
- Black (3%)




- Cyan (10%)
- Magenta (3%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.1437, 0.3048, 0.3361 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 90.1437, 0.3048, 0.3361 by changing the saturation by 10% instead.




 90.1437, 0.3048,  
0.3361

 90.1437, 0.3048,  
0.3361

528.4982, 0.3083,  
0.3329

 68.0998, 0.3040,  
0.3368


147.5380, 0.3060,  
0.3350

 49.9790, 0.3031,  
0.3377


183.6572, 0.3065,  
0.3346

 35.3967, 0.3019,  
0.3387


225.2370, 0.3069,  
0.3342

 23.9686, 0.3004,  
0.3401

272.6617, 0.3073,  
0.3339

 15.3103, 0.2984,  
0.3419

326.3158, 0.3076,  
0.3336

 9.0375, 0.2956,  
0.3444

386.5837, 0.3079,

 4.7656, 0.2915,

0.3334

0.3481

453.8497, 0.3081,  
0.3331

■ 2.1104, 0.2848,  
0.3543

■ 0.6705, 0.2566,  
0.3788

■ 90.1437, 0.3048,  
0.3361

■ 90.1437, 0.3048,  
0.3361

■ 85.8239, 0.2948,  
0.3463


■ 95.0812, 0.3151,  
0.3270


■ 82.0855, 0.2854,  
0.3574

■ 95.6244, 0.3130,  
0.3223


■ 78.9053, 0.2768,  
0.3696

■ 76.2547, 0.2695,  
0.3826

 74.1021, 0.2636,  
0.3964

 72.4123, 0.2596,  
0.4106

 71.1458, 0.2576,  
0.4251

 70.2558, 0.2576,  
0.4394

 69.6802, 0.2596,  
0.4535

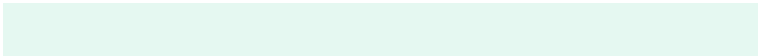
# Harmonies

## Analogous

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



90.1437, 0.3131, 0.3418



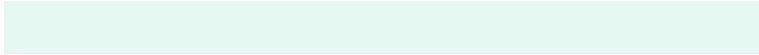
90.1437, 0.3048, 0.3361



90.1437, 0.2986, 0.3285

# Triad

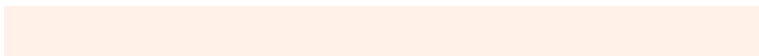
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



90.1437, 0.3048, 0.3361



90.1437, 0.3039, 0.3145



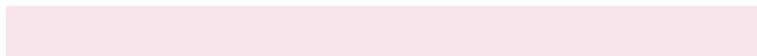
90.1437, 0.3295, 0.3365

# Complementary

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



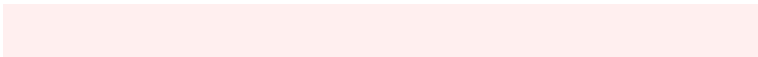
90.1437, 0.3048, 0.3361



82.0321, 0.3213, 0.3220

# Split Complementary

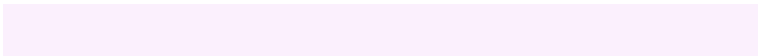
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.1437, 0.3270, 0.3293



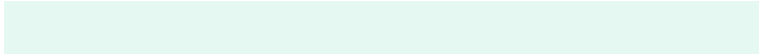
90.1437, 0.3048, 0.3361



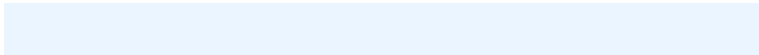
90.1437, 0.3121, 0.3167

# Square

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



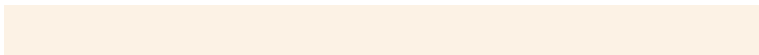
90.1437, 0.3048, 0.3361



90.1437, 0.2981, 0.3161



90.1437, 0.3206, 0.3221

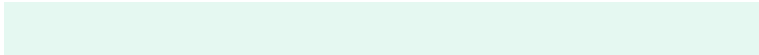


90.1437, 0.3275, 0.3419

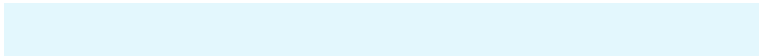


# Rectangle

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



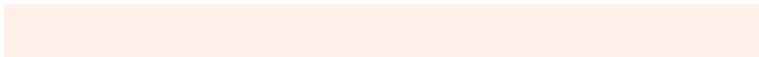
90.1437, 0.3048, 0.3361



90.1437, 0.2966, 0.3234



90.1437, 0.3206, 0.3221



90.1437, 0.3292, 0.3342

# Sweetspot

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



90.1475, 0.3048, 0.3361



98.9252, 0.3106, 0.3308



90.6780, 0.3165, 0.3483



21.1853, 0.3107, 0.3307



0.0000, 0.0000, 0.0000

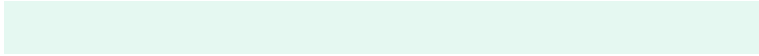


21.4041, 0.3127, 0.3290

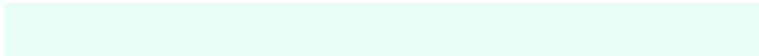


# Same Dimension

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



90.1475, 0.3048, 0.3361



95.3721, 0.3034, 0.3374



89.2158, 0.3008, 0.3267



19.4939, 0.3030, 0.3379



37.6045, 0.2596, 0.4545



3.5033, 0.2549, 0.4377



# Inverse Universe

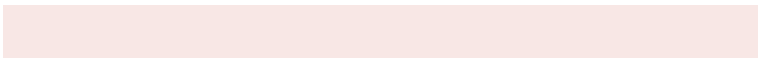
The Inverse Universe completely reimagines the original color for something new.



82.0321, 0.3213, 0.3220



85.3221, 0.3230, 0.3208



82.8703, 0.3257, 0.3313



17.3308, 0.3236, 0.3203



11.2156, 0.5511, 0.2809

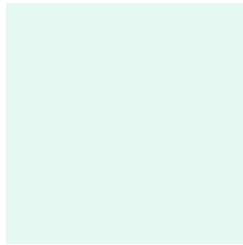


1.0584, 0.5184, 0.2630



# Previews

## White Background



This preview shows how the Yxy color 90.1437, 0.3048, 0.3361 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

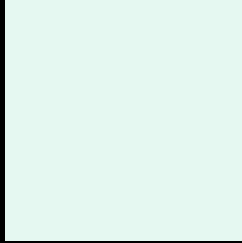
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.1437, 0.3048, 0.3361 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

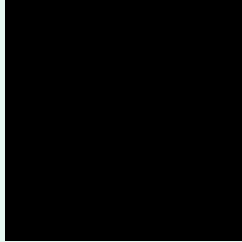
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

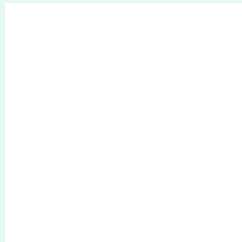
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.1437, 0.3048, 0.3361**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.1437, 0.3048, 0.3361.

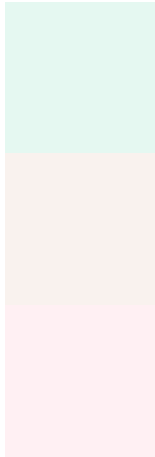


This preview shows how white text looks on a background with the Yxy color 90.1437, 0.3048, 0.3361.

# 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

90.1437, 0.3048, 0.3361

### Protanopia

89.8170, 0.3197, 0.3330

### Deuteranopia

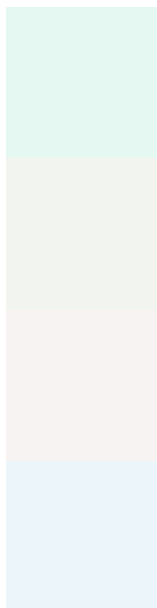
90.0512, 0.3208, 0.3261



## Tritanopia

90.0985, 0.3024, 0.3181

# Trichromacy



## Original Color

90.1437, 0.3048, 0.3361

## Protanomaly

89.8106, 0.3144, 0.3340

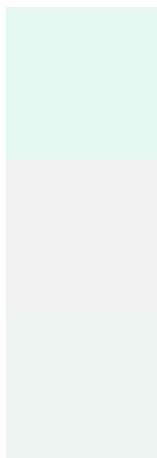
## Deuteranomaly

90.1048, 0.3153, 0.3300

## Tritanomaly

89.8691, 0.3034, 0.3240

# Monochromacy



## Original Color

90.1437, 0.3048, 0.3361

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.1167, 0.3094, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.1437, 0.3048, 0.3361 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(229, 248, 241)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 241)  
}
```

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(229, 248, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 241) }
```

## Border

The CSS property to change the border of an element to Yxy 90.1437, 0.3048, 0.3361 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(229, 248, 241) }
```

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

```
.border{ border-color:rgb(229, 248, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 248, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 241);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
241) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.1437, 0.3048, 0.3361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 241) }
```

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

```
.background{ background-color: rgb(229,  
248, 241) }
```

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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