

# Converting Colors

$Yxy(87.8650, 0.3145, 0.3466)$

Have a look what the booklet for  
Yxy(87.8650, 0.3145, 0.3466)  
contains.

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# Color

**Yxy(88.0621, 0.3145, 0.3465)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E8F5E4
RGB	232, 245, 228
RGB Percent	91%, 96%, 89%
CMY	0.0902, 0.0392, 0.1060
CMYK	0.05, 0.00, 0.07, 0.04
HSL	106°, 46%, 93%
HSV	106°, 7%, 96%
XYZ	79.9294, 88.0621, 86.1560
YIQ	239.1750, -2.2910, -8.0430

# Conversions

## Conversions Part 2

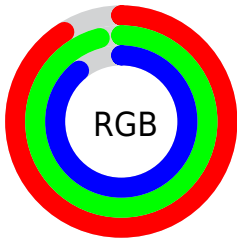
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 245, 241
Decimal	15267300
CIE Lab	95.19, -7.31, 6.72
CIE LCh	95, 9.926, 137.418
Yxy	88.0621, 0.3145, 0.3465
Android (android.graphics.Color)	4293457380 (0xFFE8F5E4)
YUV	239.1750, -5.5093, -6.2925
Hunter-Lab	93.8414, -12.1852, 11.2547

# Details

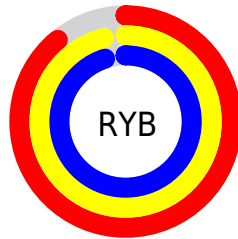
The Yxy color **88.0621, 0.3145, 0.3465** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.7568, 0.3108, 0.3118**, and the grayscale version is **86.5052, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.6424, 0.3142, 0.3502** is the 20% darker color. If you saturate the color by 10%, you get **83.8350, 0.3169, 0.3741**, and if you desaturate by 10%, it is **92.8227, 0.3119, 0.3218**.

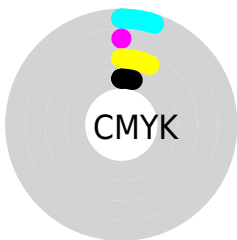
# Distribution



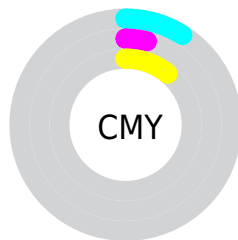
- Red (91%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (95%)



- Cyan (5%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)



- Cyan (9%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.0621, 0.3145, 0.3465 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 88.0621, 0.3145, 0.3465 by changing the saturation by 10% instead.



88.0621, 0.3145,  
0.3465

88.0621, 0.3145,  
0.3465

521.7066, 0.3137,  
0.3386

66.3745, 0.3147,  
0.3483

144.6436, 0.3143,  
0.3438

48.5765, 0.3148,  
0.3504

180.3063, 0.3142,  
0.3427

34.2836, 0.3151,  
0.3531

221.3962, 0.3141,  
0.3418

23.1116, 0.3153,  
0.3567

268.2976, 0.3140,  
0.3410

14.6759, 0.3157,  
0.3613

321.3949, 0.3139,  
0.3403

8.5923, 0.3161,  
0.3679

381.0726, 0.3139,

4.4762, 0.3166,

0.3397

0.3779

447.7150, 0.3138,  
0.3391

■ 1.9433, 0.3173,  
0.3947

■ 0.5742, 0.3348,  
0.5233

■ 88.0621, 0.3145,  
0.3465

■ 88.0621, 0.3145,  
0.3465

■ 83.8350, 0.3169,  
0.3741


■ 92.8227, 0.3119,  
0.3218


■ 80.1116, 0.3190,  
0.4045


■ 93.7912, 0.3132,  
0.3195

■ 76.8762, 0.3206,  
0.4370


■ 74.1080, 0.3215,  
0.4706

 71.7845, 0.3213,  
0.5037

 69.8813, 0.3200,  
0.5343

 68.3717, 0.3175,  
0.5601

 67.2254, 0.3138,  
0.5792

 66.4061, 0.3095,  
0.5908

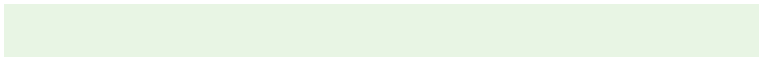
# Harmonies

## Analogous

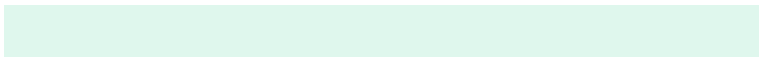
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0621, 0.3253, 0.3487



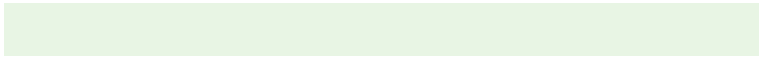
88.0621, 0.3145, 0.3465



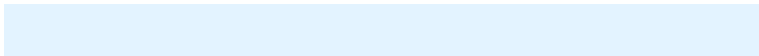
88.0621, 0.3034, 0.3394

# Triad

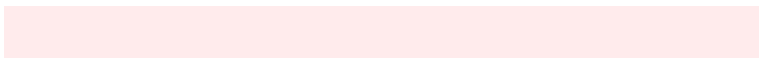
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.0621, 0.3145, 0.3465



88.0621, 0.2930, 0.3125



88.0621, 0.3308, 0.3282

# Complementary

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



88.0621, 0.3145, 0.3465



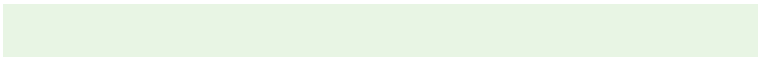
80.7568, 0.3108, 0.3118

# 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.



88.0621, 0.3219, 0.3189



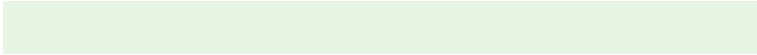
88.0621, 0.3145, 0.3465



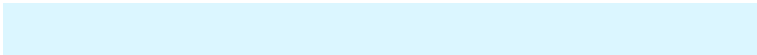
88.0621, 0.3001, 0.3099

# Square

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



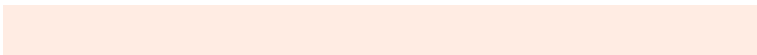
88.0621, 0.3145, 0.3465



88.0621, 0.2911, 0.3196



88.0621, 0.3106, 0.3123



88.0621, 0.3348, 0.3378



# Rectangle

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



88.0621, 0.3145, 0.3465



88.0621, 0.2973, 0.3329



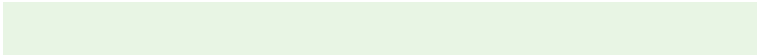
88.0621, 0.3106, 0.3123



88.0621, 0.3283, 0.3250

# Sweetspot

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



88.0659, 0.3145, 0.3465



98.9449, 0.3132, 0.3339



87.7758, 0.3234, 0.3419



21.1893, 0.3132, 0.3337



0.0000, 0.0000, 0.0000

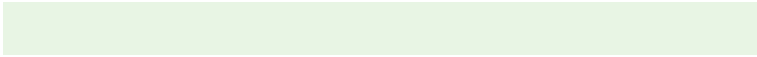


21.4041, 0.3127, 0.3290



# Same Dimension

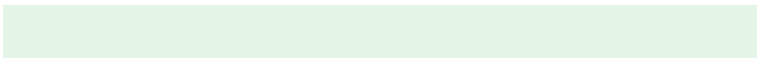
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.0659, 0.3145, 0.3465



95.9201, 0.3148, 0.3493



87.6382, 0.3094, 0.3422



18.6612, 0.3151, 0.3532



35.7174, 0.3092, 0.5927



3.1844, 0.3175, 0.5861



# Inverse Universe

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



80.7568, 0.3108, 0.3118



86.7639, 0.3105, 0.3091



81.2171, 0.3162, 0.3162



16.5592, 0.3100, 0.3054



9.3120, 0.2616, 0.1215

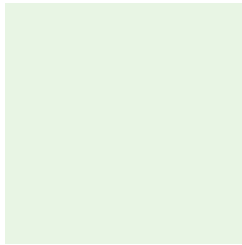


0.8649, 0.2694, 0.1258



# Previews

## White Background



This preview shows how the Yxy color 88.0621, 0.3145, 0.3465 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

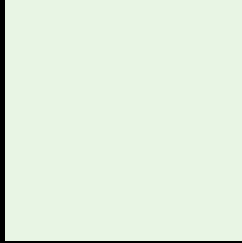
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.0621, 0.3145, 0.3465 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

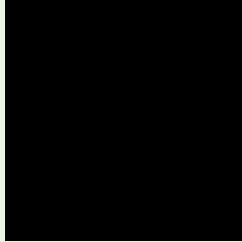
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

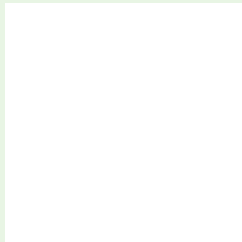
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.0621, 0.3145, 0.3465**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.0621, 0.3145, 0.3465.

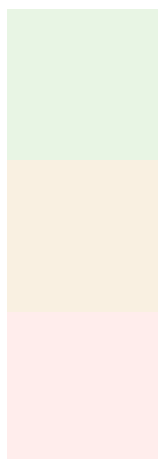


This preview shows how white text looks on a background with the Yxy color 88.0621, 0.3145, 0.3465.

# 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

88.0621, 0.3145, 0.3465

### Protanopia

87.8962, 0.3281, 0.3440

### Deuteranopia

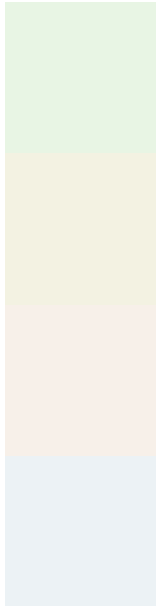
87.8845, 0.3254, 0.3300



## Tritanopia

88.3077, 0.3025, 0.3151

# Trichromacy



## Original Color

88.0621, 0.3145, 0.3465

## Protanomaly

88.0499, 0.3232, 0.3452

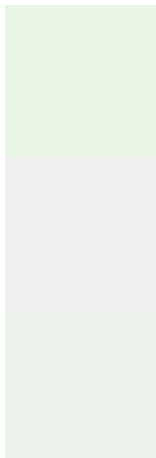
## Deuteranomaly

87.9775, 0.3217, 0.3360

## Tritanomaly

87.9297, 0.3070, 0.3260

# Monochromacy



## Original Color

88.0621, 0.3145, 0.3465

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.7416, 0.3131, 0.3351

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.0621, 0.3145, 0.3465 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(232, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(232, 245, 228)  
}
```

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(232, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 245, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 88.0621, 0.3145, 0.3465 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(232, 245, 228) }
```

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

```
.border{ border-color:rgb(232, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(232, 245,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.0621, 0.3145, 0.3465 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 245, 228) }
```

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

```
.background{ background-color: rgb(232,  
245, 228) }
```

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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