

# Converting Colors

$Yxy(82.3384, 0.3072, 0.3307)$

Have a look what the booklet for  
Yxy(82.3384, 0.3072, 0.3307)  
contains.

<b>Yxy(82.1578, 0.3067, 0.3300)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(82.1578, 0.3067, 0.3300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E2ECEB
RGB	226, 236, 235
RGB Percent	89%, 93%, 92%
CMY	0.1137, 0.0745, 0.0783
CMYK	0.04, 0.00, 0.00, 0.07
HSL	174°, 21%, 91%
HSV	174°, 4%, 93%
XYZ	76.3570, 82.1578, 90.4483
YIQ	232.8960, -5.6390, -2.4310

# Conversions

## Conversions Part 2

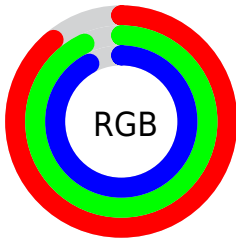
Format	Color
R <sub>Y</sub> B	226, 231, 236
Decimal	14871787
CIE Lab	92.64, -3.49, -0.69
CIE LCh	93, 3.555, 191.194
Yxy	82.1578, 0.3067, 0.3300
Android (android.graphics.Color)	4293061867 (0xFFE2ECEB)
YUV	232.8960, 1.0373, -6.0478
Hunter-Lab	90.6409, -8.2512, 4.2847

# Details

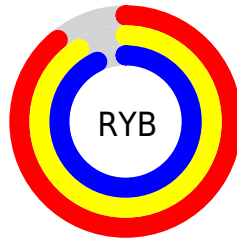
The Yxy color **82.1578, 0.3067, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.7707, 0.3191, 0.3280**, and the grayscale version is **81.4013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5551, 0.3058, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **78.4723, 0.2929, 0.3325**, and if you desaturate by 10%, it is **86.3772, 0.3210, 0.3277**.

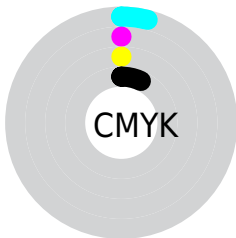
# Distribution



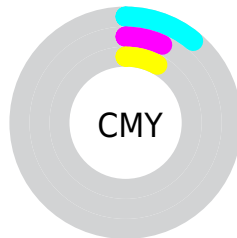
- Red (89%)
- Green (93%)
- Blue (92%)



- Red (89%)
- Yellow (91%)
- Blue (93%)



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



- Cyan (11%)
- Magenta (7%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.1578, 0.3067, 0.3300 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 82.1578, 0.3067, 0.3300 by changing the saturation by 10% instead.



■ 82.1578, 0.3067,  
0.3300

■ 82.1578, 0.3067,  
0.3300

502.1754, 0.3094,  
0.3296

■ 61.4956, 0.3061,  
0.3301

136.3953, 0.3076,  
0.3299

■ 44.6253, 0.3053,  
0.3302

170.7393, 0.3080,  
0.3298

■ 31.1624, 0.3044,  
0.3304

210.4128, 0.3083,  
0.3297

■ 20.7225, 0.3032,  
0.3306

255.8001, 0.3086,  
0.3297

■ 12.9213, 0.3016,  
0.3308

307.2856, 0.3088,  
0.3297

■ 7.3744, 0.2993,  
0.3312

365.2538, 0.3091,

■ 3.6973, 0.2959,

0.3296

0.3317

430.0889, 0.3093,  
0.3296

■ 1.5057, 0.2900,  
0.3325

■ 0.2928, 0.2264,  
0.3433

■ 82.1578, 0.3067,  
0.3300

■ 82.1578, 0.3067,  
0.3300

■ 78.4723, 0.2929,  
0.3325

■ 86.3772, 0.3210,  
0.3277

■ 75.2888, 0.2800,  
0.3353


■ 87.5232, 0.3232,  
0.3255


■ 72.5880, 0.2683,  
0.3382


■ 87.6611, 0.3217,  
0.3232

■ 70.3455, 0.2579,  
0.3414

■ 87.8008, 0.3203,  
0.3210

 68.5345, 0.2492,  
0.3446

 87.9422, 0.3188,  
0.3188


 67.1256, 0.2424,  
0.3480


 88.0854, 0.3174,  
0.3165


 66.0856, 0.2375,  
0.3514

 88.2303, 0.3159,  
0.3143

 65.3762, 0.2346,  
0.3548

 88.3770, 0.3145,  
0.3121

 64.9504, 0.2334,  
0.3581

 88.4731, 0.3136,  
0.3107

# Harmonies

## Analogous

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



82.1578, 0.3101, 0.3334



82.1578, 0.3067, 0.3300



82.1578, 0.3049, 0.3263

# Triad

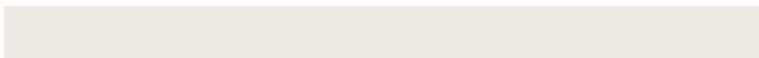
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.1578, 0.3067, 0.3300



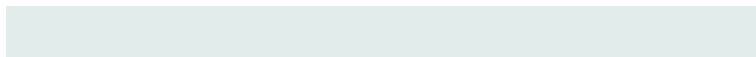
82.1578, 0.3111, 0.3225



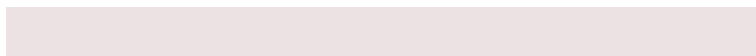
82.1578, 0.3204, 0.3346

# Complementary

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



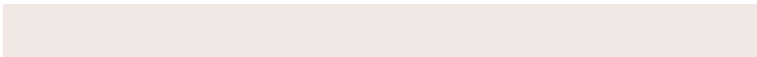
82.1578, 0.3067, 0.3300



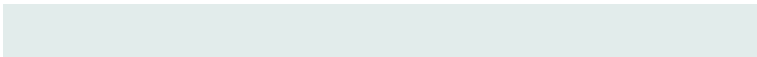
77.7707, 0.3191, 0.3280

# 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.



82.1578, 0.3206, 0.3316



82.1578, 0.3067, 0.3300



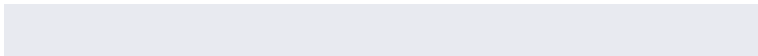
82.1578, 0.3153, 0.3247

# Square

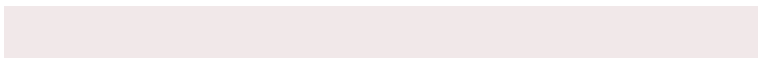
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



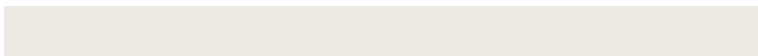
82.1578, 0.3067, 0.3300



82.1578, 0.3074, 0.3220



82.1578, 0.3188, 0.3280



82.1578, 0.3180, 0.3361

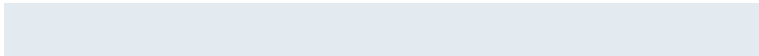


# Rectangle

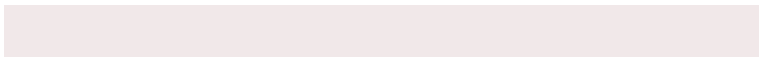
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1578, 0.3067, 0.3300



82.1578, 0.3048, 0.3242



82.1578, 0.3188, 0.3280



82.1578, 0.3207, 0.3337

# Sweetspot

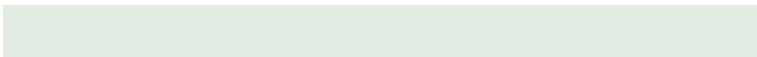
The Sweet Spot groups the original color and five complimentary colors.



82.1613, 0.3067, 0.3300



99.5035, 0.3113, 0.3292



81.8149, 0.3129, 0.3395



21.3031, 0.3114, 0.3292



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.



82.1613, 0.3067, 0.3300



97.5814, 0.3056, 0.3302



79.9393, 0.3062, 0.3248



17.3997, 0.3047, 0.3304



35.7243, 0.2332, 0.3595



2.8126, 0.2319, 0.3548

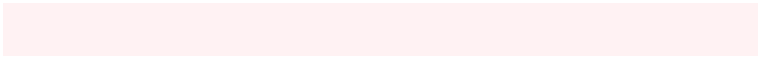


# Inverse Universe

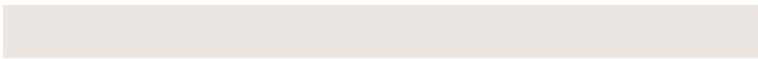
The Inverse Universe completely reimagines the original color for something new.



77.7707, 0.3191, 0.3280



91.4144, 0.3203, 0.3278



79.9187, 0.3194, 0.3332



16.1578, 0.3214, 0.3277



9.8726, 0.6286, 0.3237

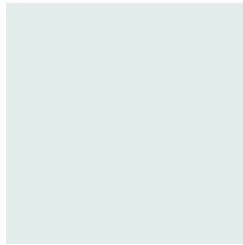


0.7834, 0.6030, 0.3096



# Previews

## White Background



This preview shows how the Yxy color 82.1578, 0.3067, 0.3300 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

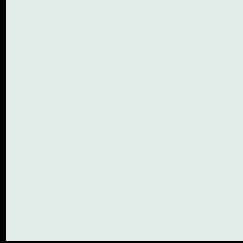
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.1578, 0.3067, 0.3300 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

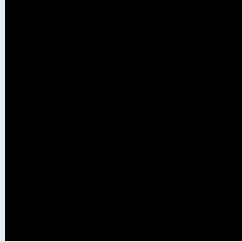
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

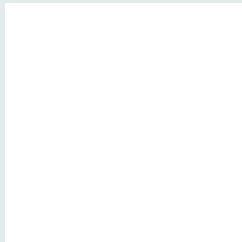
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.1578, 0.3067, 0.3300**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.1578, 0.3067, 0.3300.

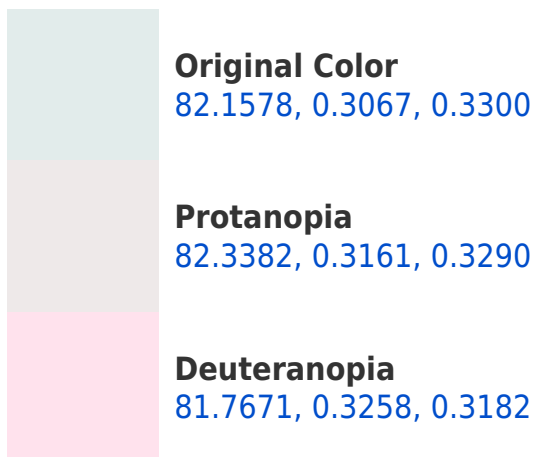


This preview shows how white text looks on a background with the Yxy color 82.1578, 0.3067, 0.3300.

# 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

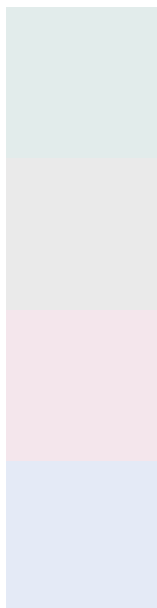




## Tritanopia

81.9641, 0.2985, 0.3096

# Trichromacy



## Original Color

82.1578, 0.3067, 0.3300

## Protanomaly

82.2786, 0.3127, 0.3290

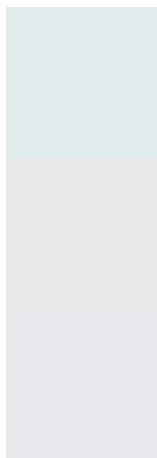
## Deuteranomaly

81.8829, 0.3185, 0.3230

## Tritanomaly

81.9934, 0.3014, 0.3166

# Monochromacy



## Original Color

82.1578, 0.3067, 0.3300

## Achromatopsia

81.4847, 0.3127, 0.3290

## Achromatomaly

81.6091, 0.3100, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.1578, 0.3067, 0.3300 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(226, 236, 235)` looks like.

```
.text, #text, p{  
    color:rgb(226, 236, 235)  
}
```

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(226, 236, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 236, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 82.1578, 0.3067, 0.3300 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(226, 236, 235) }
```

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

```
.border{ border-color:rgb(226, 236, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 236, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 236, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 236, 235);  
box-shadow:4px 4px 4px 4px rgb(226, 236,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.1578, 0.3067, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 236, 235) }
```

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

```
.background{ background-color: rgb(226,  
236, 235) }
```

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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