

# Converting Colors

$Yxy(78.4386, 0.3053, 0.3279)$

Have a look what the booklet for  
Yxy(78.4386, 0.3053, 0.3279)  
contains.

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# Color

**Yxy(78.3502, 0.3054, 0.3279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDE7E8
RGB	221, 231, 232
RGB Percent	87%, 91%, 91%
CMY	0.1331, 0.0942, 0.0902
CMYK	0.05, 0.00, 0.00, 0.09
HSL	186°, 19%, 89%
HSV	186°, 5%, 91%
XYZ	72.9739, 78.3502, 87.6213
YIQ	228.1240, -6.2810, -1.8090

# Conversions

## Conversions Part 2

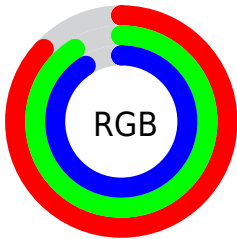
Format	Color
R <sub>Y</sub> B	221, 226, 232
Decimal	14542824
CIE Lab	90.94, -3.11, -1.65
CIE LCh	91, 3.518, 207.977
Yxy	78.3502, 0.3054, 0.3279
Android (android.graphics.Color)	4292732904 (0xFFDDE7E8)
YUV	228.1240, 1.9109, -6.2477
Hunter-Lab	88.5156, -7.7437, 3.2700

# Details

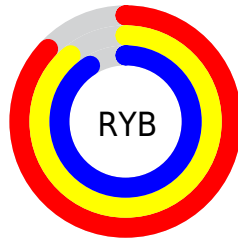
The Yxy color **78.3502, 0.3054, 0.3279** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **74.6628, 0.3204, 0.3301**, and the grayscale version is **77.6761, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9015, 0.3041, 0.3276** is the 20% darker color. If you saturate the color by 10%, you get **73.7626, 0.2903, 0.3254**, and if you desaturate by 10%, it is **83.4625, 0.3210, 0.3302**.

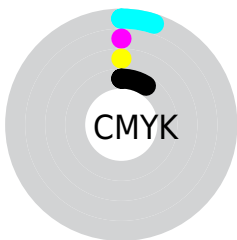
# Distribution



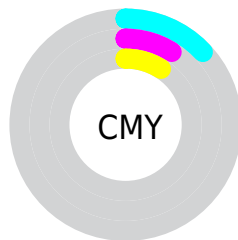
- Red (87%)
- Green (91%)
- Blue (91%)



- Red (87%)
- Yellow (89%)
- Blue (91%)



- Cyan (5%)
- Magenta (0%)
- Yellow (0%)
- Black (9%)



- Cyan (13%)
- Magenta (9%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3502, 0.3054, 0.3279 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 78.3502, 0.3054, 0.3279 by changing the saturation by 10% instead.



■ 78.3502, 0.3054,  
0.3279

■ 78.3502, 0.3054,  
0.3279

489.3553, 0.3087,  
0.3284

■ 58.3617, 0.3046,  
0.3278

131.0437, 0.3066,  
0.3281

■ 42.0995, 0.3037,  
0.3276

164.5174, 0.3070,  
0.3282

■ 29.1792, 0.3026,  
0.3274

203.2551, 0.3074,  
0.3282

■ 19.2164, 0.3010,  
0.3272

247.6410, 0.3077,  
0.3283

■ 11.8268, 0.2990,  
0.3269

298.0596, 0.3080,  
0.3283

■ 6.6258, 0.2961,  
0.3264

354.8953, 0.3083,

■ 3.2292, 0.2917,

0.3284

418.5324, 0.3085,  
0.3284

0.3256

1.2525, 0.2840,  
0.3241

0.1040, 0.0647,  
0.2924

78.3502, 0.3054,  
0.3279

78.3502, 0.3054,  
0.3279

73.7626, 0.2903,  
0.3254

83.4625, 0.3210,  
0.3302

69.6691, 0.2759,  
0.3227

86.6681, 0.3282,  
0.3323

66.0511, 0.2625,  
0.3199

87.9087, 0.3280,  
0.3344

62.8851, 0.2506,  
0.3168

89.1642, 0.3277,  
0.3365

60.1451, 0.2402,  
0.3137

90.4347, 0.3275,  
0.3386

57.8028, 0.2317,  
0.3105

91.7202, 0.3273,  
0.3407

55.8262, 0.2251,  
0.3073

93.0208, 0.3271,  
0.3427

54.1781, 0.2204,  
0.3041

94.3366, 0.3269,  
0.3448

52.8131, 0.2175,  
0.3009

95.6676, 0.3266,  
0.3468

# Harmonies

## Analogous

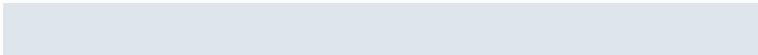
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3502, 0.3080, 0.3316



78.3502, 0.3054, 0.3279



78.3502, 0.3047, 0.3245

# Triad

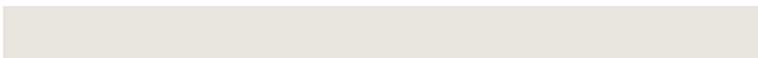
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3502, 0.3054, 0.3279



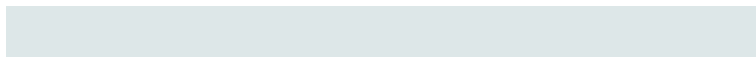
78.3502, 0.3135, 0.3235



78.3502, 0.3193, 0.3357

# Complementary

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



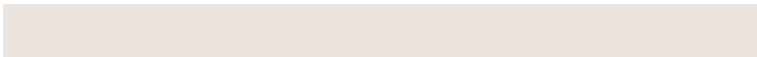
78.3502, 0.3054, 0.3279



74.6628, 0.3204, 0.3301

# 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.



78.3502, 0.3208, 0.3335



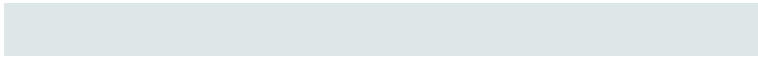
78.3502, 0.3054, 0.3279



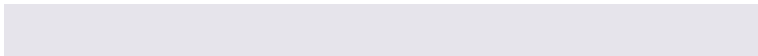
78.3502, 0.3174, 0.3264

# Square

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



78.3502, 0.3054, 0.3279



78.3502, 0.3094, 0.3220



78.3502, 0.3201, 0.3301



78.3502, 0.3161, 0.3361

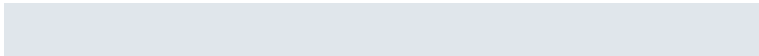


# Rectangle

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



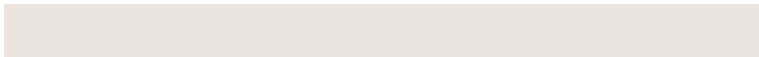
78.3502, 0.3054, 0.3279



78.3502, 0.3055, 0.3229



78.3502, 0.3201, 0.3301



78.3502, 0.3200, 0.3351

# Sweetspot

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



78.3535, 0.3054, 0.3279



99.3689, 0.3111, 0.3288



78.3689, 0.3116, 0.3397



21.2757, 0.3112, 0.3288



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

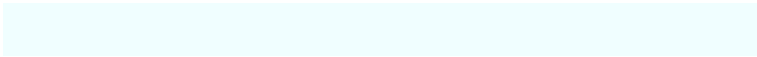


# Same Dimension

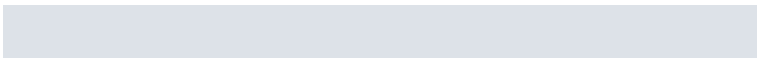
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.3535, 0.3054, 0.3279



96.3115, 0.3034, 0.3276



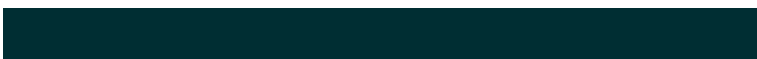
75.3948, 0.3055, 0.3222



16.3763, 0.3025, 0.3274



29.0606, 0.2166, 0.2998



2.2145, 0.2179, 0.3044



# Inverse Universe

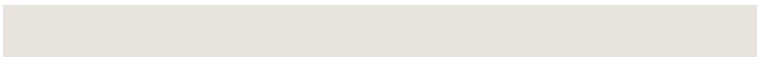
The Inverse Universe completely reimagines the original color for something new.



74.6708, 0.3139, 0.3186



90.5327, 0.3143, 0.3157



77.5612, 0.3200, 0.3357



15.2995, 0.3144, 0.3143



12.1314, 0.3456, 0.1678

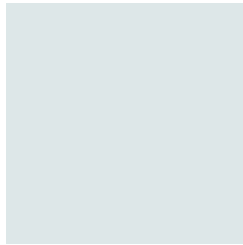


0.9032, 0.3416, 0.1655



# Previews

## White Background



This preview shows how the Yxy color 78.3502, 0.3054, 0.3279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

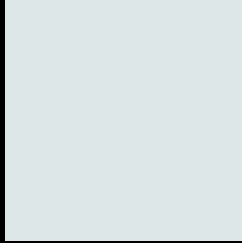
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.3502, 0.3054, 0.3279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

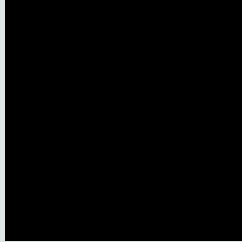
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

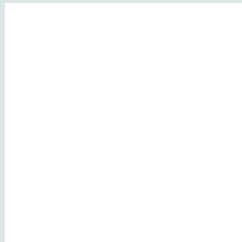
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 78.3502, 0.3054, 0.3279**

## Background



This preview shows how black text looks on a background with the Yxy color 78.3502, 0.3054, 0.3279.

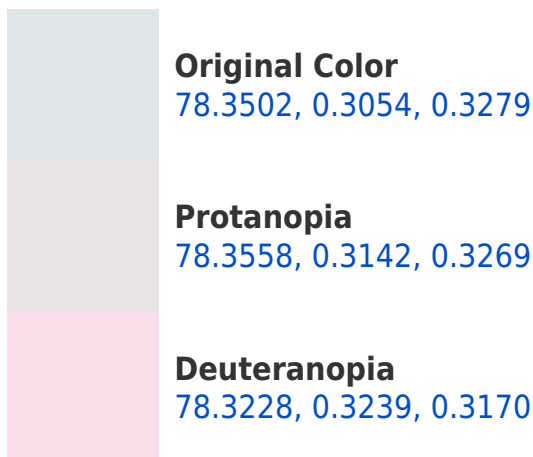


This preview shows how white text looks on a background with the Yxy color 78.3502, 0.3054, 0.3279.

# 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

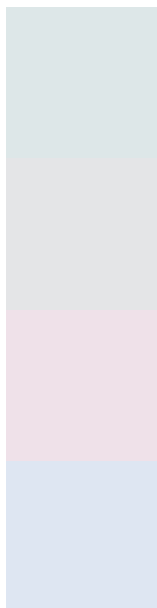




## Tritanopia

78.4420, 0.2976, 0.3102

# Trichromacy



## Original Color

78.3502, 0.3054, 0.3279

## Protanomaly

78.3021, 0.3108, 0.3269

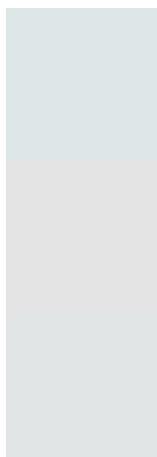
## Deuteranomaly

78.0843, 0.3173, 0.3208

## Tritanomaly

78.5340, 0.2999, 0.3164

# Monochromacy



## Original Color

78.3502, 0.3054, 0.3279

## Achromatopsia

77.5822, 0.3127, 0.3290

## Achromatomaly

77.7033, 0.3100, 0.3290

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.3502, 0.3054, 0.3279 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(221, 231, 232)` looks like.

```
.text, #text, p{  
    color:rgb(221, 231, 232)  
}
```

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(221, 231, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 231, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 78.3502, 0.3054, 0.3279 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(221, 231, 232) }
```

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

```
.border{ border-color:rgb(221, 231, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 231, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 231, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 231, 232);  
box-shadow:4px 4px 4px 4px rgb(221, 231,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.3502, 0.3054, 0.3279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 231, 232) }
```

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

```
.background{ background-color: rgb(221,  
231, 232) }
```

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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