

# Converting Colors

$Yxy(79.4704, 0.3036, 0.3353)$

Have a look what the booklet for  
Yxy(79.4704, 0.3036, 0.3353)  
contains.

<b>Yxy(79.6727, 0.3038, 0.3354)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(79.6727, 0.3038, 0.3354)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8EBE5
RGB	216, 235, 229
RGB Percent	85%, 92%, 90%
CMY	0.1530, 0.0784, 0.1019
CMYK	0.08, 0.00, 0.03, 0.08
HSL	161°, 32%, 88%
HSV	161°, 8%, 92%
XYZ	72.1663, 79.6727, 85.7064
YIQ	228.6350, -9.3980, -5.8940

# Conversions

## Conversions Part 2

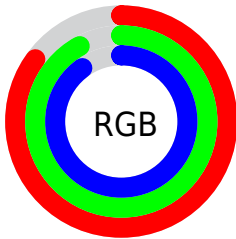
Format	Color
RYB	216, 227, 235
Decimal	14216165
CIELab	91.54, -7.38, 0.75
CIELCh	92, 7.419, 174.225
Yxy	79.6727, 0.3038, 0.3354
Android (android.graphics.Color)	4292406245 (0xFFD8EBE5)
YUV	228.6350, 0.1799, -11.0809
Hunter-Lab	89.2596, -11.8872, 5.5519

# Details

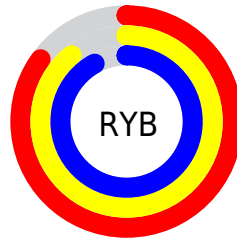
The Yxy color **79.6727, 0.3038, 0.3354** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.0398, 0.3225, 0.3227**, and the grayscale version is **78.0764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **42.8733, 0.3013, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **75.9437, 0.2931, 0.3441**, and if you desaturate by 10%, it is **83.9380, 0.3148, 0.3276**.

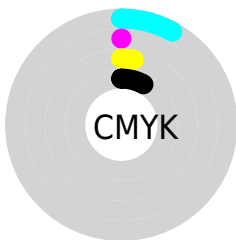
# Distribution



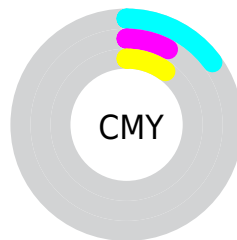
- Red (85%)
- Green (92%)
- Blue (90%)



- Red (85%)
- Yellow (89%)
- Blue (92%)



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



- Cyan (15%)
- Magenta (8%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.6727, 0.3038, 0.3354 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 79.6727, 0.3038, 0.3354 by changing the saturation by 10% instead.



 79.6727, 0.3038,  
0.3354

 79.6727, 0.3038,  
0.3354

493.8291, 0.3079,  
0.3325

 59.4491, 0.3029,  
0.3361

132.9055, 0.3052,  
0.3344

 42.9747, 0.3018,  
0.3369


166.6834, 0.3057,  
0.3340

 29.8653, 0.3003,  
0.3379


205.7482, 0.3062,  
0.3337

 19.7364, 0.2985,  
0.3392

250.4842, 0.3066,  
0.3334

 12.2035, 0.2960,  
0.3410

301.2760, 0.3070,  
0.3331

 6.8825, 0.2925,  
0.3436

358.5078, 0.3073,

 3.3887, 0.2871,

0.3329

0.3475

422.5640, 0.3076,  
0.3327

■ 1.3379, 0.2778,  
0.3543

■ 0.1702, 0.0000,  
0.5611

■ 79.6727, 0.3038,  
0.3354

■ 79.6727, 0.3038,  
0.3354

■ 75.9437, 0.2931,  
0.3441

■ 83.9380, 0.3148,  
0.3276

■ 72.7191, 0.2831,  
0.3536

■ 87.2042, 0.3206,  
0.3204

■ 69.9789, 0.2741,  
0.3639

■ 87.6634, 0.3159,  
0.3133

■ 67.6978, 0.2663,  
0.3749

■ 87.9024, 0.3136,  
0.3097

■ 65.8481, 0.2601,  
0.3865

■ 64.3993, 0.2557,  
0.3985

■ 63.3166, 0.2533,  
0.4107

■ 62.5589, 0.2529,  
0.4228

■ 62.0691, 0.2544,  
0.4348

# Harmonies

## Analogous

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



79.6727, 0.3121, 0.3415



79.6727, 0.3038, 0.3354



79.6727, 0.2979, 0.3276

# Triad

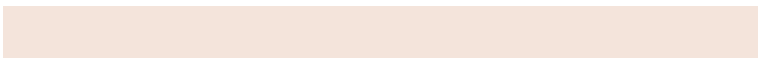
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.6727, 0.3038, 0.3354



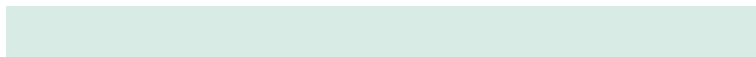
79.6727, 0.3047, 0.3143



79.6727, 0.3298, 0.3374

# Complementary

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



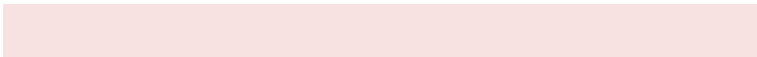
79.6727, 0.3038, 0.3354



72.0398, 0.3225, 0.3227

# 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.



79.6727, 0.3278, 0.3302



79.6727, 0.3038, 0.3354



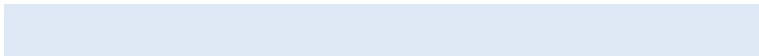
79.6727, 0.3131, 0.3170

# Square

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



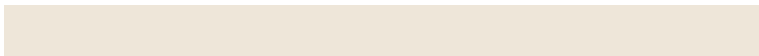
79.6727, 0.3038, 0.3354



79.6727, 0.2984, 0.3155



79.6727, 0.3216, 0.3227

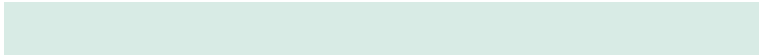


79.6727, 0.3272, 0.3426



# Rectangle

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



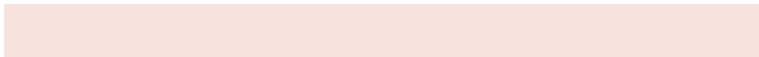
79.6727, 0.3038, 0.3354



79.6727, 0.2961, 0.3225



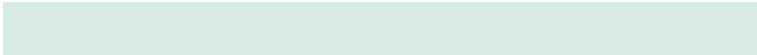
79.6727, 0.3216, 0.3227



79.6727, 0.3296, 0.3351

# Sweetspot

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



79.6761, 0.3038, 0.3354



98.9423, 0.3105, 0.3305



79.9102, 0.3158, 0.3494



21.1888, 0.3106, 0.3305



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

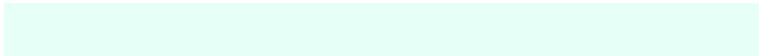


# Same Dimension

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



79.6761, 0.3038, 0.3354



94.9729, 0.3017, 0.3370



78.0392, 0.3002, 0.3252



17.0363, 0.3023, 0.3365



34.5212, 0.2542, 0.4352



2.7280, 0.2496, 0.4186



# Inverse Universe

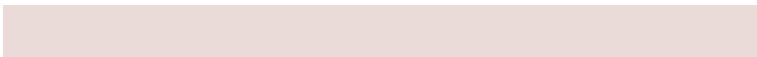
The Inverse Universe completely reimagines the original color for something new.



72.0398, 0.3225, 0.3227



83.7222, 0.3251, 0.3211



73.5299, 0.3263, 0.3327



15.1324, 0.3243, 0.3216



10.1265, 0.5703, 0.2915

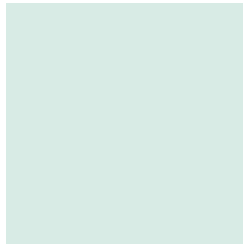


0.8120, 0.5311, 0.2699



# Previews

## White Background



This preview shows how the Yxy color 79.6727, 0.3038, 0.3354 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

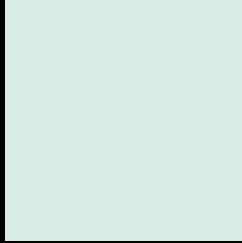
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.6727, 0.3038, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

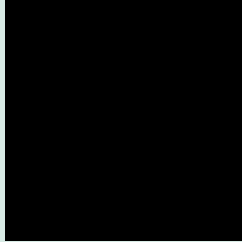
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

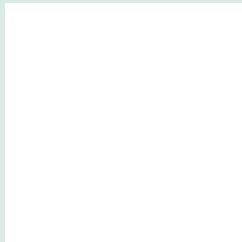
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 79.6727, 0.3038, 0.3354**

## Background



This preview shows how black text looks on a background with the Yxy color 79.6727, 0.3038, 0.3354.

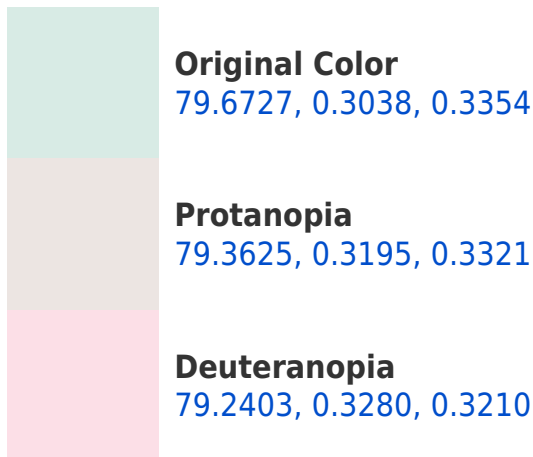


This preview shows how white text looks on a background with the Yxy color 79.6727, 0.3038, 0.3354.

# 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

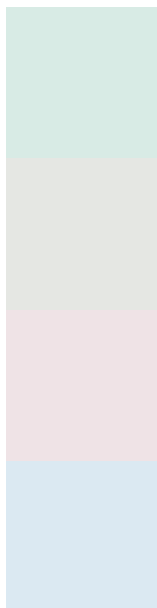




## Tritanopia

79.8310, 0.2939, 0.3102

# Trichromacy



## Original Color

79.6727, 0.3038, 0.3354

## Protanomaly

79.3559, 0.3139, 0.3332

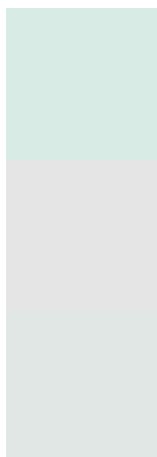
## Deuteranomaly

79.0021, 0.3191, 0.3259

## Tritanomaly

79.7487, 0.2980, 0.3195

# Monochromacy



## Original Color

79.6727, 0.3038, 0.3354

## Achromatopsia

78.3538, 0.3127, 0.3290

## Achromatomaly

78.6563, 0.3092, 0.3311

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.6727, 0.3038, 0.3354 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(216, 235, 229)` looks like.

```
.text, #text, p{  
    color:rgb(216, 235, 229)  
}
```

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(216, 235, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 235, 229) }
```

## Border

The CSS property to change the border of an element to Yxy 79.6727, 0.3038, 0.3354 is called "border". The border property can be set on classes, ids or directly on the HTML element.

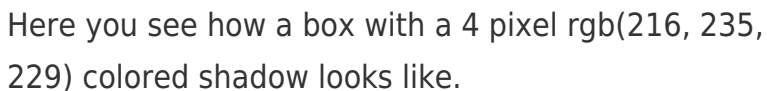
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 235, 229) }
```

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

```
.border{ border-color:rgb(216, 235, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 235, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 235, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 235, 229); box-shadow:4px 4px 4px 4px rgb(216, 235, 229) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.6727, 0.3038, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 235, 229) }
```

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

```
.background{ background-color: rgb(216,  
235, 229) }
```

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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