

Converting Colors

$Y_{xy}(79.9434, 0.3125, 0.3217)$

Have a look what the booklet for
Yxy(79.9434, 0.3125, 0.3217)
contains.

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Color

Yxy(79.7569, 0.3124, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	EBE5EC
RGB	235, 229, 236
RGB Percent	92%, 90%, 93%
CMY	0.0783, 0.1020, 0.0745
CMYK	0.00, 0.03, 0.00, 0.07
HSL	292°, 16%, 91%
HSV	292°, 3%, 93%
XYZ	77.4271, 79.7569, 90.6621
YIQ	231.5920, 1.3290, 3.4490

Conversions

Conversions Part 2

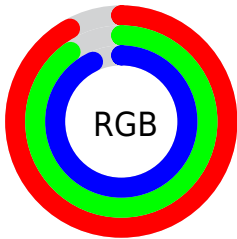
Format	Color
R _Y B	235, 229, 236
Decimal	15459820
CIE Lab	91.58, 3.28, -2.68
CIE LCh	92, 4.237, 320.747
Yxy	79.7569, 0.3124, 0.3218
Android (android.graphics.Color)	4293649900 (0xFFEBE5EC)
YUV	231.5920, 2.1731, 2.9888
Hunter-Lab	89.3067, -1.5308, 2.3249

Details

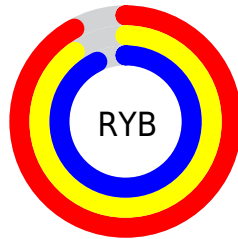
The Yxy color **79.7569, 0.3124, 0.3218** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.4576, 0.3130, 0.3363**, and the grayscale version is **80.3628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1511, 0.3122, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **67.0320, 0.3111, 0.2967**, and if you desaturate by 10%, it is **94.2737, 0.3134, 0.3456**.

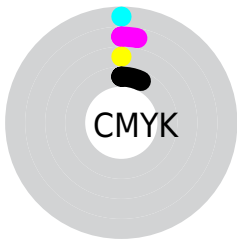
Distribution



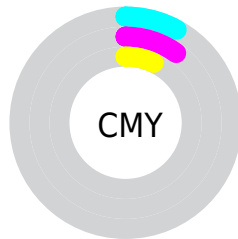
- Red (92%)
- Green (90%)
- Blue (93%)



- Red (92%)
- Yellow (90%)
- Blue (93%)



- Cyan (0%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (10%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7569, 0.3124, 0.3218 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 79.7569, 0.3124, 0.3218 by changing the saturation by 10% instead.

■ 79.7569, 0.3124,
0.3218

■ 79.7569, 0.3124,
0.3218

494.1132, 0.3126,
0.3251

■ 59.5183, 0.3124,
0.3211

133.0239, 0.3125,
0.3229

■ 43.0305, 0.3123,
0.3202

166.8211, 0.3125,
0.3234

■ 29.9091, 0.3123,
0.3190

205.9066, 0.3125,
0.3237

■ 19.7696, 0.3122,
0.3176

250.6649, 0.3125,
0.3241

■ 12.2277, 0.3121,
0.3156

301.4803, 0.3125,
0.3244

■ 6.8989, 0.3119,
0.3129

358.7372, 0.3125,

■ 3.3990, 0.3116,

0.3246

0.3087

422.8201, 0.3125,
0.3249

■ 1.3434, 0.3111,
0.3017

■ 0.1744, 0.3083,
0.2187

■ 79.7569, 0.3124,
0.3218

■ 79.7569, 0.3124,
0.3218

■ 67.0320, 0.3111,
0.2967

■ 94.2737, 0.3134,
0.3456

■ 56.0176, 0.3095,
0.2709

■ 96.3627, 0.3153,
0.3478

■ 46.6412, 0.3075,
0.2449

■ 96.9374, 0.3173,
0.3477

■ 38.8209, 0.3050,
0.2197

■ 97.5223, 0.3193,
0.3476

■ 32.4682, 0.3022,
0.1962

■ 98.1173, 0.3214,
0.3475

■ 27.4852, 0.2991,
0.1757

■ 98.7226, 0.3234,
0.3474

■ 23.7622, 0.2957,
0.1588

■ 98.8356, 0.3238,
0.3473

■ 21.1726, 0.2922,
0.1464

■ 19.5632, 0.2886,
0.1384

Harmonies

Analogous

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



79.7569, 0.3076, 0.3205



79.7569, 0.3124, 0.3218



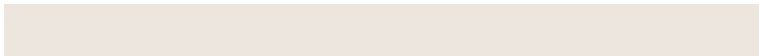
79.7569, 0.3173, 0.3250

Triad

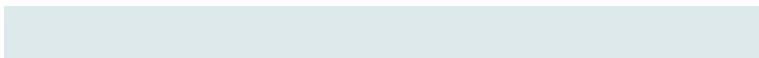
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.7569, 0.3124, 0.3218



79.7569, 0.3213, 0.3365



79.7569, 0.3045, 0.3288

Complementary

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



79.7569, 0.3124, 0.3218



82.4576, 0.3130, 0.3363

Split Complementary

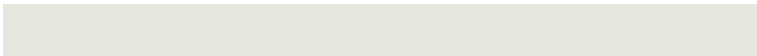
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7569, 0.3081, 0.3331



79.7569, 0.3124, 0.3218



79.7569, 0.3178, 0.3376

Square

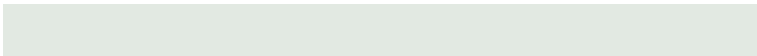
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



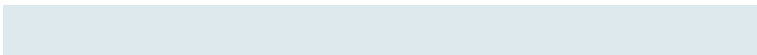
79.7569, 0.3124, 0.3218



79.7569, 0.3224, 0.3334



79.7569, 0.3130, 0.3364



79.7569, 0.3031, 0.3245

Rectangle

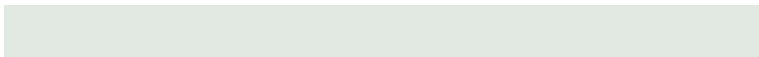
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7569, 0.3124, 0.3218



79.7569, 0.3200, 0.3277



79.7569, 0.3130, 0.3364



79.7569, 0.3055, 0.3303

Sweetspot

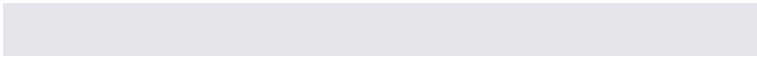
The Sweet Spot groups the original color and five complimentary colors.



79.7603, 0.3124, 0.3218



98.3177, 0.3126, 0.3266



79.3322, 0.3083, 0.3228



21.0618, 0.3126, 0.3267



0.0000, 0.0000, 0.0000



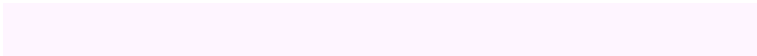
21.4041, 0.3127, 0.3290

Same Dimension

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



79.7603, 0.3124, 0.3218



93.4002, 0.3123, 0.3192



79.7823, 0.3146, 0.3243



16.5027, 0.3122, 0.3175



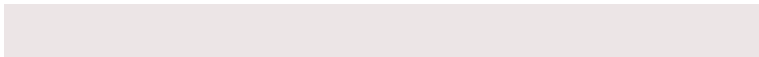
10.4344, 0.2866, 0.1353



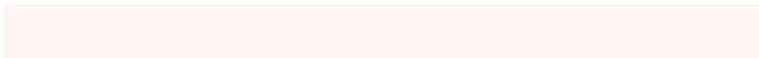
0.8482, 0.2917, 0.1380

Inverse Universe

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



79.5786, 0.3169, 0.3280



93.1097, 0.3185, 0.3277



82.4375, 0.3109, 0.3337



16.4419, 0.3196, 0.3274



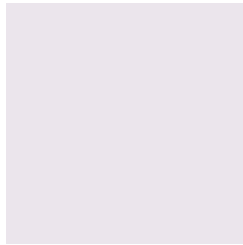
9.8990, 0.6218, 0.3199



0.7879, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 79.7569, 0.3124, 0.3218 looks on a white background.

Color Contrast Check

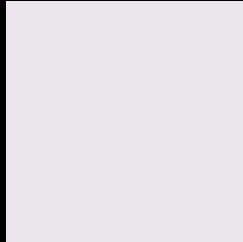
Large Text (above 18pt) WCAG AA × Fail

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 79.7569, 0.3124, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

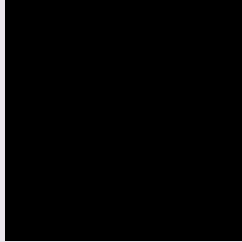
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

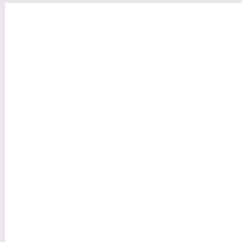
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.7569, 0.3124, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 79.7569, 0.3124, 0.3218.

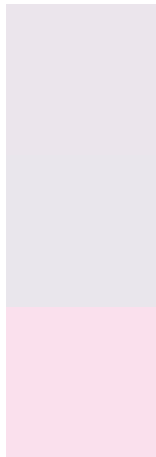


This preview shows how white text looks on a background with the Yxy color 79.7569, 0.3124, 0.3218.

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

79.7569, 0.3124, 0.3218

Protanopia

79.9734, 0.3110, 0.3228

Deuteranopia

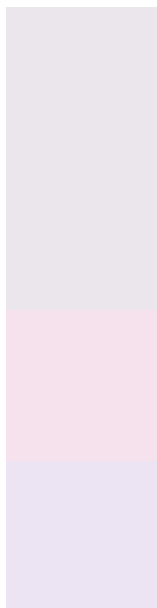
79.7497, 0.3224, 0.3160



Tritanopia

79.9122, 0.3074, 0.3117

Trichromacy



Original Color

79.7569, 0.3124, 0.3218

Protanomaly

80.1422, 0.3116, 0.3228

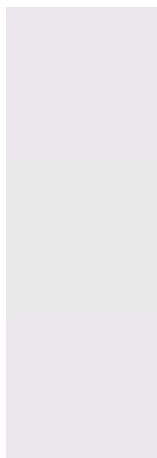
Deuteranomaly

79.9196, 0.3188, 0.3179

Tritanomaly

79.7305, 0.3093, 0.3147

Monochromacy



Original Color

79.7569, 0.3124, 0.3218

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.3587, 0.3128, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.7569, 0.3124, 0.3218 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(235, 229, 236) looks like.

```
.text, #text, p{  
    color:rgb(235, 229, 236)  
}
```

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(235, 229, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 229, 236) }
```

Border

The CSS property to change the border of an element to Yxy 79.7569, 0.3124, 0.3218 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(235, 229, 236) }
```

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

```
.border{ border-color:rgb(235, 229, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 229, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 229, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 229, 236);  
box-shadow:4px 4px 4px 4px rgb(235, 229,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 79.7569, 0.3124, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 229, 236) }
```

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

```
.background{ background-color: rgb(235,  
229, 236) }
```

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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