

Converting Colors

$Y_{xy}(79.7640, 0.3082, 0.3220)$

Have a look what the booklet for
Yxy(79.7640, 0.3082, 0.3220)
contains.

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Color

Yxy(79.5310, 0.3083, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	E6E6ED
RGB	230, 230, 237
RGB Percent	90%, 90%, 93%
CMY	0.0980, 0.0980, 0.0705
CMYK	0.03, 0.03, 0.00, 0.07
HSL	240°, 16%, 92%
HSV	240°, 3%, 93%
XYZ	76.2182, 79.5310, 91.4718
YIQ	230.7980, -2.2470, 2.1770

Conversions

Conversions Part 2

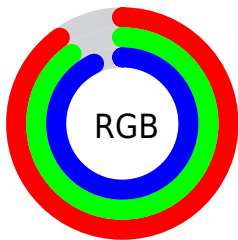
Format	Color
R_{YB}	230, 230, 237
Decimal	15132397
CIE Lab	91.47, 1.28, -3.41
CIE LCh	91, 3.645, 290.491
Yxy	79.5310, 0.3083, 0.3217
Android (android.graphics.Color)	4293322477 (0xFFE6E6ED)
YUV	230.7980, 3.0576, -0.6998
Hunter-Lab	89.1802, -3.5094, 1.6126

Details

The Yxy color **79.5310, 0.3083, 0.3217** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.3022, 0.3171, 0.3362**, and the grayscale version is **79.7341, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.1101, 0.3079, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **63.5733, 0.2920, 0.2948**, and if you desaturate by 10%, it is **97.8207, 0.3225, 0.3451**.

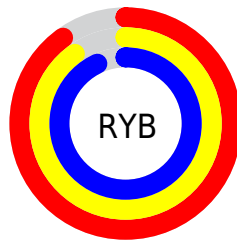
Distribution



Red (90%)

Green (90%)

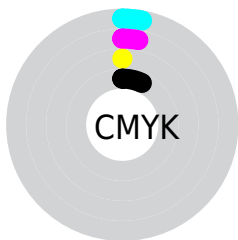
Blue (93%)



Red (90%)

Yellow (90%)

Blue (93%)

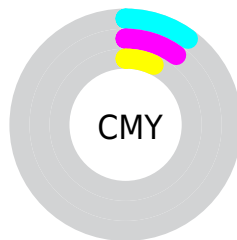


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (7%)



Cyan (10%)

Magenta (10%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 79.5310, 0.3083, 0.3217 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 79.5310, 0.3083, 0.3217 by changing the saturation by 10% instead.

■ 79.5310, 0.3083,
0.3217

■ 79.5310, 0.3083,
0.3217

493.3509, 0.3103,
0.3250

■ 59.3325, 0.3078,
0.3210

132.7061, 0.3090,
0.3228

■ 42.8808, 0.3073,
0.3200

166.4516, 0.3093,
0.3233

■ 29.7916, 0.3066,
0.3189

205.4814, 0.3095,
0.3237

■ 19.6805, 0.3057,
0.3174

250.1801, 0.3097,
0.3240

■ 12.1630, 0.3044,
0.3154

300.9320, 0.3099,
0.3243

■ 6.8548, 0.3027,
0.3126

358.1215, 0.3100,

■ 3.3714, 0.3000,

0.3246

0.3083

422.1330, 0.3102,
0.3248

■ 1.3286, 0.2954,
0.3009

■ 0.1632, 0.2432,
0.2131

■ 79.5310, 0.3083,
0.3217

■ 79.5310, 0.3083,
0.3217

■ 63.5733, 0.2920,
0.2948

■ 97.8207, 0.3225,
0.3451

■ 49.8442, 0.2737,
0.2645

■ 98.8958, 0.3232,
0.3463

■ 38.2478, 0.2535,
0.2311

■ 28.6769, 0.2320,
0.1957

■ 21.0156, 0.2104,
0.1599

■ 15.1358, 0.1901,
0.1264

■ 10.8939, 0.1729,
0.0978

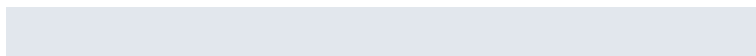
■ 8.1242, 0.1601,
0.0767

■ 6.6262, 0.1527,
0.0644

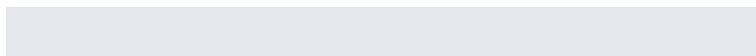
Harmonies

Analogous

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



79.5310, 0.3054, 0.3226



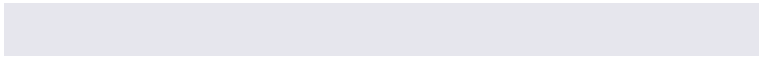
79.5310, 0.3083, 0.3217



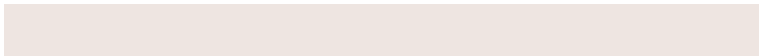
79.5310, 0.3124, 0.3228

Triad

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



79.5310, 0.3083, 0.3217



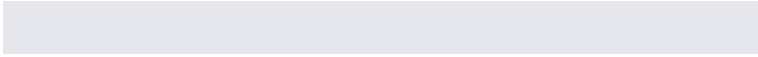
79.5310, 0.3211, 0.3328



79.5310, 0.3088, 0.3326

Complementary

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



79.5310, 0.3083, 0.3217



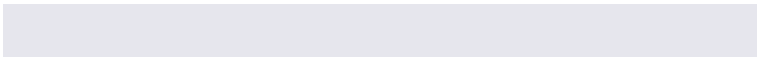
84.3022, 0.3171, 0.3362

Split Complementary

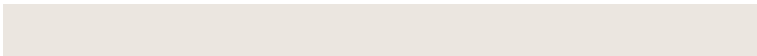
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.5310, 0.3130, 0.3354



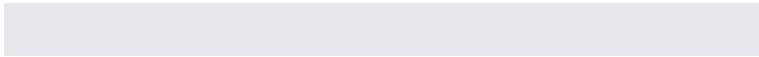
79.5310, 0.3083, 0.3217



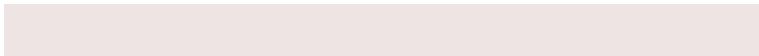
79.5310, 0.3201, 0.3355

Square

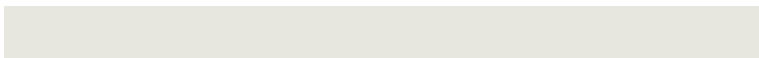
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



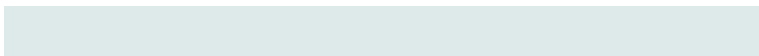
79.5310, 0.3083, 0.3217



79.5310, 0.3198, 0.3291



79.5310, 0.3171, 0.3364



79.5310, 0.3057, 0.3288

Rectangle

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



79.5310, 0.3083, 0.3217



79.5310, 0.3153, 0.3244



79.5310, 0.3171, 0.3364



79.5310, 0.3101, 0.3337

Sweetspot

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



79.5344, 0.3083, 0.3217



97.9041, 0.3112, 0.3266



83.5142, 0.3082, 0.3291



20.9776, 0.3113, 0.3267



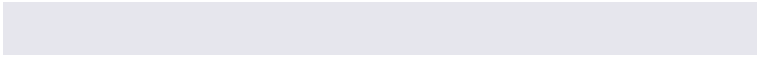
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



79.5344, 0.3083, 0.3217



91.7832, 0.3067, 0.3190



80.0998, 0.3106, 0.3218



16.1639, 0.3056, 0.3172



3.3401, 0.1500, 0.0600



0.2627, 0.1500, 0.0601

Inverse Universe

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



80.3157, 0.3175, 0.3290



93.0245, 0.3193, 0.3290



83.7251, 0.3148, 0.3362



16.4241, 0.3206, 0.3290



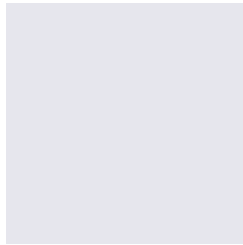
9.8300, 0.6400, 0.3299



0.7719, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 79.5310, 0.3083, 0.3217 looks on a white background.

Color Contrast Check

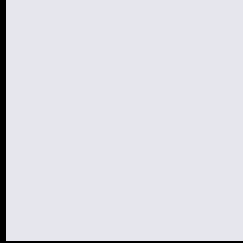
Large Text (above 18pt) WCAG AA × Fail

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 79.5310, 0.3083, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

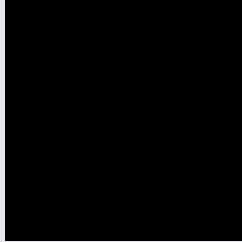
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

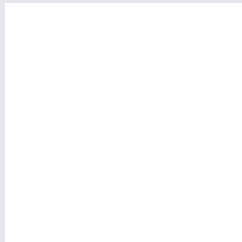
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 79.5310, 0.3083, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 79.5310, 0.3083, 0.3217.

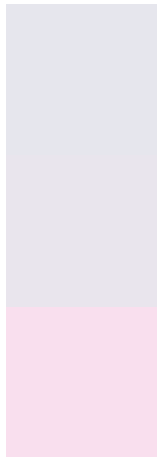


This preview shows how white text looks on a background with the Yxy color 79.5310, 0.3083, 0.3217.

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

79.5310, 0.3083, 0.3217

Protanopia

79.4767, 0.3104, 0.3207

Deuteranopia

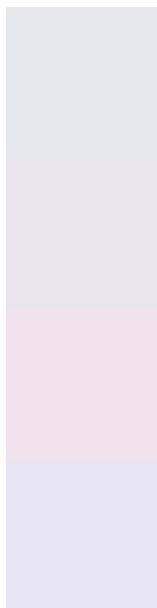
79.0881, 0.3212, 0.3140



Tritanopia

79.9098, 0.3035, 0.3106

Trichromacy



Original Color

79.5310, 0.3083, 0.3217

Protanomaly

79.3089, 0.3097, 0.3207

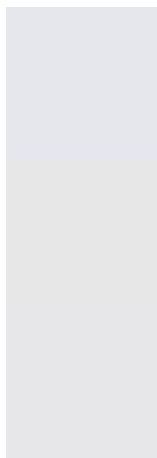
Deuteranomaly

79.4430, 0.3161, 0.3168

Tritanomaly

79.4986, 0.3053, 0.3146

Monochromacy



Original Color

79.5310, 0.3083, 0.3217

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.0239, 0.3115, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 79.5310, 0.3083, 0.3217 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(230, 230, 237)` looks like.

```
.text, #text, p{  
    color:rgb(230, 230, 237)  
}
```

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(230, 230, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 230, 237) }
```

Border

The CSS property to change the border of an element to Yxy 79.5310, 0.3083, 0.3217 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(230, 230, 237) }
```

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

```
.border{ border-color:rgb(230, 230, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 230, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 230, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 230, 237);  
box-shadow:4px 4px 4px 4px rgb(230, 230,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 79.5310, 0.3083, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 230, 237) }
```

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

```
.background{ background-color: rgb(230,  
230, 237) }
```

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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