

Converting Colors

$Y_{xy}(78.2121, 0.3110, 0.3167)$

Have a look what the booklet for
Yxy(78.2121, 0.3110, 0.3167)
contains.

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Color

Yxy(78.2279, 0.3112, 0.3166)

Conversions

Conversions Part 1

Format	Color
Hex	EBE2EE
RGB	235, 226, 238
RGB Percent	92%, 89%, 93%
CMY	0.0784, 0.1137, 0.0665
CMYK	0.01, 0.05, 0.00, 0.07
HSL	285°, 26%, 91%
HSV	285°, 5%, 93%
XYZ	76.8936, 78.2279, 91.9660
YIQ	230.0590, 1.5120, 5.6400

Conversions

Conversions Part 2

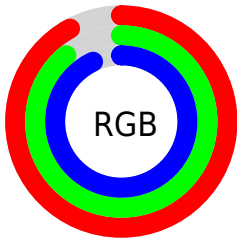
Format	Color
R_{YB}	235, 226, 238
Decimal	15459054
CIE _{Lab}	90.88, 5.19, -4.77
CIE _{LCh}	91, 7.049, 317.396
Yxy	78.2279, 0.3112, 0.3166
Android (android.graphics.Color)	4293649134 (0xFFEBE2EE)
YUV	230.0590, 3.9149, 4.3333
Hunter-Lab	88.4465, 0.4028, 0.2633

Details

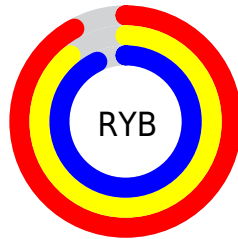
The Yxy color `78.2279, 0.3112, 0.3166` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `83.3294, 0.3141, 0.3416`, and the grayscale version is `79.1495, 0.3127, 0.3290`.

A 20% lighter version of the original color is `100.0000, 0.3127, 0.3290`, and `42.0869, 0.3107, 0.3144` is the 20% darker color. If you saturate the color by 10%, you get `65.1645, 0.3077, 0.2910`, and if you desaturate by 10%, it is `93.1298, 0.3141, 0.3407`.

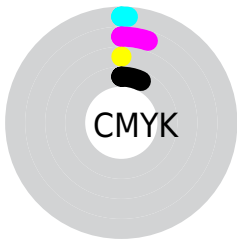
Distribution



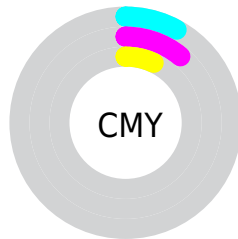
- Red (92%)
- Green (89%)
- Blue (93%)



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



- Cyan (1%)
- Magenta (5%)
- Yellow (0%)
- Black (7%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.2279, 0.3112, 0.3166 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 78.2279, 0.3112, 0.3166 by changing the saturation by 10% instead.


 78.2279, 0.3112,
0.3166

 78.2279, 0.3112,
0.3166


488.9405, 0.3119,
0.3222

 58.2612, 0.3110,
0.3153


130.8713, 0.3115,
0.3185

 42.0187, 0.3108,
0.3138


164.3169, 0.3115,
0.3193

 29.1159, 0.3106,
0.3119

203.0242, 0.3116,
0.3199

 19.1685, 0.3102,
0.3094

247.3776, 0.3117,
0.3205

 11.7921, 0.3097,
0.3060

297.7615, 0.3118,
0.3210

 6.6023, 0.3090,
0.3013

354.5604, 0.3118,

 3.2146, 0.3079,

0.3215

0.2942

418.1586, 0.3119,
0.3219

■ 1.2448, 0.3058,
0.2821

■ 0.0978, 0.2899,
0.1291

■ 78.2279, 0.3112,
0.3166

■ 78.2279, 0.3112,
0.3166

■ 65.1645, 0.3077,
0.2910

■ 93.1298, 0.3141,
0.3407

■ 53.8556, 0.3036,
0.2643

■ 97.4753, 0.3176,
0.3456

■ 44.2256, 0.2987,
0.2372

■ 98.5872, 0.3214,
0.3454

■ 36.1893, 0.2932,
0.2106

■ 98.9554, 0.3226,
0.3453

■ 29.6540, 0.2870,
0.1857

■ 24.5172, 0.2804,
0.1634

■ 20.6636, 0.2736,
0.1450

■ 17.9589, 0.2667,
0.1311

■ 16.2380, 0.2599,
0.1220

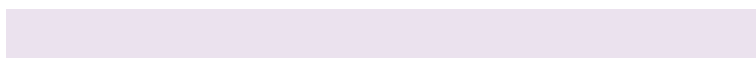
Harmonies

Analogous

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



78.2279, 0.3034, 0.3149



78.2279, 0.3112, 0.3166



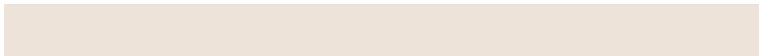
78.2279, 0.3195, 0.3215

Triad

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



78.2279, 0.3112, 0.3166



78.2279, 0.3275, 0.3411



78.2279, 0.2995, 0.3294

Complementary

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



78.2279, 0.3112, 0.3166



83.3294, 0.3141, 0.3416

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.



78.2279, 0.3059, 0.3367



78.2279, 0.3112, 0.3166



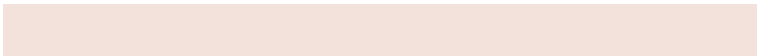
78.2279, 0.3220, 0.3435

Square

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



78.2279, 0.3112, 0.3166



78.2279, 0.3290, 0.3356



78.2279, 0.3141, 0.3419



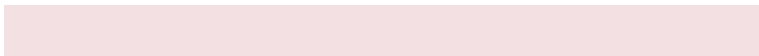
78.2279, 0.2967, 0.3221

Rectangle

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



78.2279, 0.3112, 0.3166



78.2279, 0.3242, 0.3260



78.2279, 0.3141, 0.3419



78.2279, 0.3013, 0.3319

Sweetspot

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



78.2313, 0.3112, 0.3166



96.5454, 0.3121, 0.3241



78.5009, 0.3050, 0.3197



20.7009, 0.3122, 0.3244



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.



78.2313, 0.3112, 0.3166



89.8976, 0.3109, 0.3142



78.5898, 0.3151, 0.3195



16.6547, 0.3107, 0.3127



8.7786, 0.2577, 0.1193



0.7771, 0.2664, 0.1241

Inverse Universe

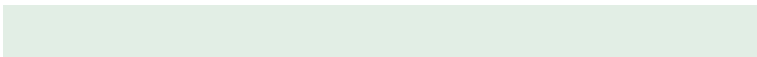
The Inverse Universe completely reimagines the original color for something new.



78.2379, 0.3191, 0.3259



89.9091, 0.3204, 0.3253



82.9886, 0.3104, 0.3387



16.6574, 0.3213, 0.3249



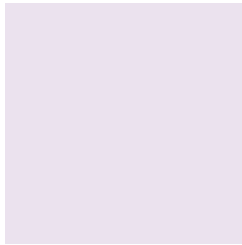
10.3415, 0.5920, 0.3035



0.8758, 0.5551, 0.2831

Previews

White Background



This preview shows how the Yxy color 78.2279, 0.3112, 0.3166 looks on a white background.

Color Contrast Check

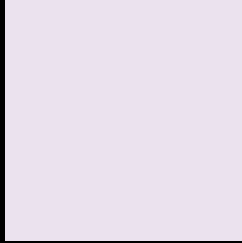
Large Text (above 18pt) WCAG AA × Fail

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 78.2279, 0.3112, 0.3166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

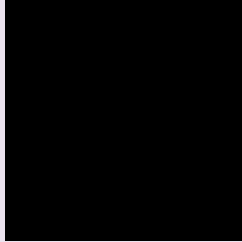
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

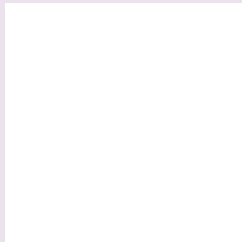
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.2279, 0.3112, 0.3166

Background



This preview shows how black text looks on a background with the Yxy color 78.2279, 0.3112, 0.3166.

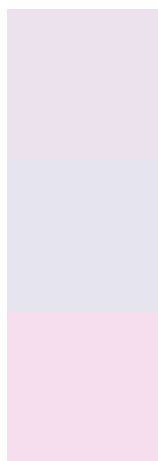


This preview shows how white text looks on a background with the Yxy color 78.2279, 0.3112, 0.3166.

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

78.2279, 0.3112, 0.3166

Protanopia

78.5418, 0.3071, 0.3176

Deuteranopia

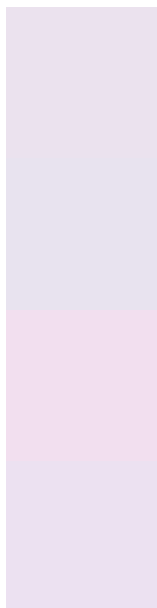
78.0674, 0.3184, 0.3119



Tritanopia

78.1544, 0.3088, 0.3106

Trichromacy



Original Color

78.2279, 0.3112, 0.3166

Protanomaly

78.3260, 0.3085, 0.3166

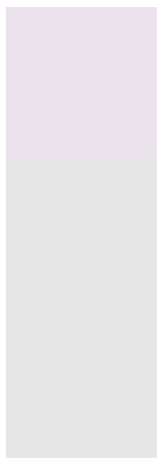
Deuteranomaly

77.8846, 0.3156, 0.3128

Tritanomaly

78.0342, 0.3100, 0.3126

Monochromacy



Original Color

78.2279, 0.3112, 0.3166

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

79.0776, 0.3122, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.2279, 0.3112, 0.3166 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, 226, 238)` looks like.

```
.text, #text, p{  
    color:rgb(235, 226, 238)  
}
```

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, 226, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 226, 238) }
```

Border

The CSS property to change the border of an element to Yxy 78.2279, 0.3112, 0.3166 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, 226, 238) }
```

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

```
.border{ border-color:rgb(235, 226, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 226, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 226, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 226, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 226,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 78.2279, 0.3112, 0.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 226, 238) }
```

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

```
.background{ background-color: rgb(235,  
226, 238) }
```

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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