

Converting Colors

$Y_{xy}(80.0563, 0.3128, 0.3176)$

Have a look what the booklet for
Yxy(80.0563, 0.3128, 0.3176)
contains.

Yxy(80.0695, 0.3132, 0.3178)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(80.0695, 0.3132, 0.3178)

Conversions

Conversions Part 1

Format	Color
Hex	EFE4EF
RGB	239, 228, 239
RGB Percent	94%, 89%, 94%
CMY	0.0629, 0.1058, 0.0627
CMYK	0.00, 0.05, 0.00, 0.06
HSL	300°, 26%, 92%
HSV	300°, 5%, 94%
XYZ	78.9105, 80.0695, 92.9693
YIQ	232.5430, 3.0250, 5.7530

Conversions

Conversions Part 2

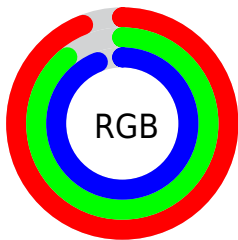
Format	Color
R _Y B	239, 228, 239
Decimal	15721711
CIE Lab	91.72, 5.64, -4.02
CIE LCh	92, 6.926, 324.506
Yxy	80.0695, 0.3132, 0.3178
Android (android.graphics.Color)	4293911791 (0xFFEFE4EF)
YUV	232.5430, 3.1833, 5.6628
Hunter-Lab	89.4816, 0.8199, 1.0361

Details

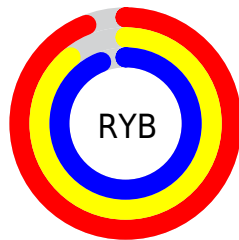
The Yxy color $80.0695, 0.3132, 0.3178$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $83.8523, 0.3122, 0.3405$, and the grayscale version is $81.0969, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $43.3733, 0.3133, 0.3159$ is the 20% darker color. If you saturate the color by 10%, you get $67.7944, 0.3143, 0.2929$, and if you desaturate by 10%, it is $94.1695, 0.3122, 0.3418$.

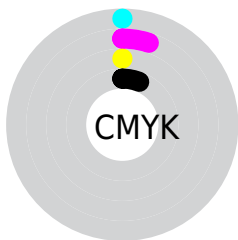
Distribution



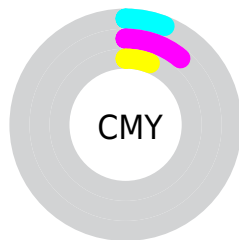
- Red (94%)
- Green (89%)
- Blue (94%)



- Red (94%)
- Yellow (89%)
- Blue (94%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)




- Cyan (6%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.0695, 0.3132, 0.3178 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 80.0695, 0.3132, 0.3178 by changing the saturation by 10% instead.

 80.0695, 0.3132,
0.3178

 80.0695, 0.3132,
0.3178


495.1670, 0.3130,
0.3229

 59.7755, 0.3132,
0.3167


133.4634, 0.3131,
0.3195

 43.2377, 0.3133,
0.3153


167.3322, 0.3131,
0.3202

 30.0717, 0.3133,
0.3136


206.4947, 0.3131,
0.3208

 19.8930, 0.3134,
0.3113

251.3354, 0.3131,
0.3213

 12.3173, 0.3135,
0.3084

302.2385, 0.3130,
0.3218

 6.9602, 0.3136,
0.3042

359.5886, 0.3130,

 3.4372, 0.3137,

0.3222

0.2979

423.7699, 0.3130,
0.3225

■ 1.3640, 0.3137,
0.2874

■ 0.1900, 0.3194,
0.1907

■ 80.0695, 0.3132,
0.3178

■ 80.0695, 0.3132,
0.3178

■ 67.7944, 0.3143,
0.2929

■ 94.1695, 0.3122,
0.3418

■ 57.2597, 0.3153,
0.2677

■ 96.1420, 0.3121,
0.3448

■ 48.3897, 0.3164,
0.2431

■ 96.1649, 0.3122,
0.3448

■ 41.0990, 0.3173,
0.2199

■ 96.1879, 0.3123,
0.3448

35.2949, 0.3181,
0.1992

96.2108, 0.3123,
0.3448

30.8746, 0.3188,
0.1819

96.2338, 0.3124,
0.3448

27.7225, 0.3192,
0.1685

96.2568, 0.3125,
0.3448

25.7046, 0.3195,
0.1596

96.2798, 0.3126,
0.3448

24.6562, 0.3195,
0.1548

96.3028, 0.3127,
0.3448

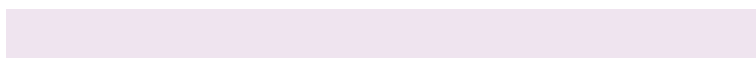
Harmonies

Analogous

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



80.0695, 0.3053, 0.3153



80.0695, 0.3132, 0.3178



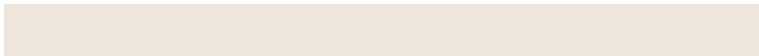
80.0695, 0.3211, 0.3232

Triad

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



80.0695, 0.3132, 0.3178



80.0695, 0.3262, 0.3417



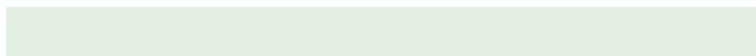
80.0695, 0.2989, 0.3276

Complementary

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



80.0695, 0.3132, 0.3178



83.8523, 0.3122, 0.3405

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.



80.0695, 0.3043, 0.3349



80.0695, 0.3132, 0.3178



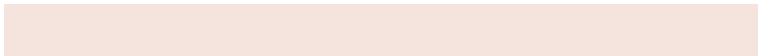
80.0695, 0.3201, 0.3431

Square

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



80.0695, 0.3132, 0.3178



80.0695, 0.3286, 0.3369



80.0695, 0.3121, 0.3406



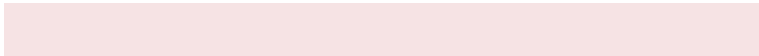
80.0695, 0.2971, 0.3208

Rectangle

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



80.0695, 0.3132, 0.3178



80.0695, 0.3252, 0.3278



80.0695, 0.3121, 0.3406



80.0695, 0.3003, 0.3301

Sweetspot

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



80.0729, 0.3132, 0.3178



98.3811, 0.3128, 0.3266



78.3277, 0.3058, 0.3177



21.0747, 0.3128, 0.3267



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

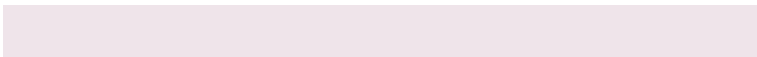
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.0729, 0.3132, 0.3178



90.6077, 0.3134, 0.3143



79.7738, 0.3167, 0.3232



16.8011, 0.3134, 0.3128



13.4610, 0.3196, 0.1534



1.1213, 0.3197, 0.1535

Inverse Universe

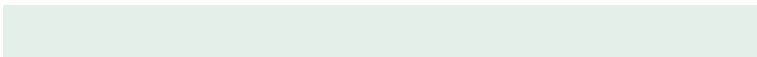
The Inverse Universe completely reimagines the original color for something new.



79.4563, 0.3203, 0.3290



89.6821, 0.3228, 0.3289



84.1423, 0.3090, 0.3349



16.6109, 0.3239, 0.3289



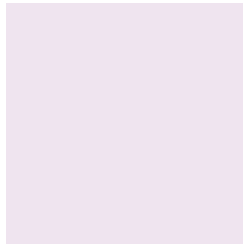
10.1432, 0.6395, 0.3296



0.8443, 0.6379, 0.3288

Previews

White Background



This preview shows how the Yxy color 80.0695, 0.3132, 0.3178 looks on a white background.

Color Contrast Check

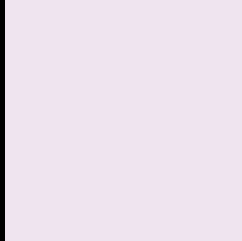
Large Text (above 18pt) WCAG AA × Fail

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 80.0695, 0.3132, 0.3178 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

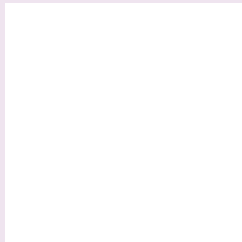
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.0695, 0.3132, 0.3178

Background



This preview shows how black text looks on a background with the Yxy color 80.0695, 0.3132, 0.3178.

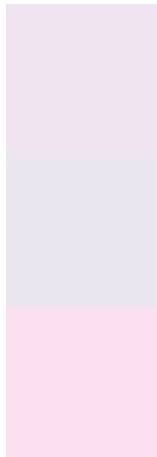


This preview shows how white text looks on a background with the Yxy color 80.0695, 0.3132, 0.3178.

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

80.0695, 0.3132, 0.3178

Protanopia

80.2085, 0.3085, 0.3187

Deuteranopia

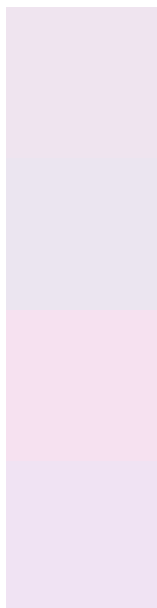
79.9266, 0.3205, 0.3131



Tritanopia

80.0560, 0.3102, 0.3108

Trichromacy



Original Color

80.0695, 0.3132, 0.3178

Protanomaly

79.9921, 0.3098, 0.3177

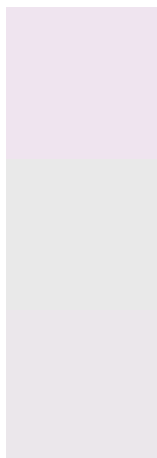
Deuteranomaly

79.7345, 0.3176, 0.3140

Tritanomaly

79.9345, 0.3114, 0.3128

Monochromacy



Original Color

80.0695, 0.3132, 0.3178

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

80.8122, 0.3129, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.0695, 0.3132, 0.3178 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(239, 228, 239)` looks like.

```
.text, #text, p{  
    color:rgb(239, 228, 239)  
}
```

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(239, 228, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 228, 239) }
```

Border

The CSS property to change the border of an element to Yxy 80.0695, 0.3132, 0.3178 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(239, 228, 239) }
```

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

```
.border{ border-color:rgb(239, 228, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 228, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 228, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 228, 239);  
box-shadow:4px 4px 4px 4px rgb(239, 228,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 80.0695, 0.3132, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 228, 239) }
```

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

```
.background{ background-color: rgb(239,  
228, 239) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor