

Converting Colors

$Y_{xy}(76.8754, 0.3130, 0.3174)$

Have a look what the booklet for
Yxy(76.8754, 0.3130, 0.3174)
contains.

Yxy(76.9716, 0.3132, 0.3176)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.9716, 0.3132, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	EBE0EB
RGB	235, 224, 235
RGB Percent	92%, 88%, 92%
CMY	0.0786, 0.1215, 0.0783
CMYK	0.00, 0.05, 0.00, 0.08
HSL	300°, 22%, 90%
HSV	300°, 5%, 92%
XYZ	75.9052, 76.9716, 89.4771
YIQ	228.5430, 3.0250, 5.7530

Conversions

Conversions Part 2

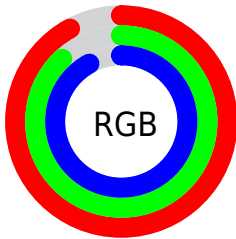
Format	Color
R_{YB}	235, 224, 235
Decimal	15458539
CIE _{Lab}	90.31, 5.66, -4.04
CIE _{LCh}	90, 6.958, 324.481
Yxy	76.9716, 0.3132, 0.3176
Android (android.graphics.Color)	4293648619 (0xFFEBE0EB)
YUV	228.5430, 3.1833, 5.6628
Hunter-Lab	87.7335, 0.9011, 0.9451

Details

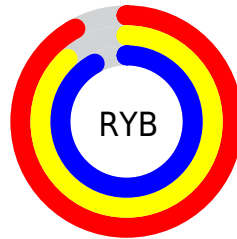
The Yxy color **76.9716, 0.3132, 0.3176** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **80.6793, 0.3122, 0.3407**, and the grayscale version is **77.9756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.2143, 0.3133, 0.3156** is the 20% darker color. If you saturate the color by 10%, you get **65.1750, 0.3142, 0.2927**, and if you desaturate by 10%, it is **90.5210, 0.3122, 0.3416**.

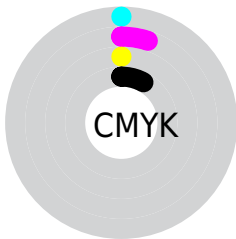
Distribution



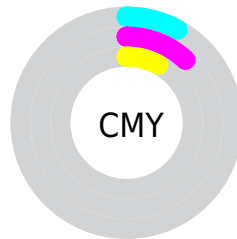
- Red (92%)
- Green (88%)
- Blue (92%)



- Red (92%)
- Yellow (88%)
- Blue (92%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (8%)





- Cyan (8%)
- Magenta (12%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9716, 0.3132, 0.3176 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 76.9716, 0.3132, 0.3176 by changing the saturation by 10% instead.


 76.9716, 0.3132,
0.3176

 76.9716, 0.3132,
0.3176


484.6672, 0.3130,
0.3228

 57.2296, 0.3132,
0.3164


129.0994, 0.3131,
0.3194

 41.1896, 0.3133,
0.3150


162.2539, 0.3131,
0.3201

 28.4672, 0.3133,
0.3132


200.6481, 0.3131,
0.3207

 18.6782, 0.3134,
0.3109

244.6663, 0.3131,
0.3212

 11.4380, 0.3135,
0.3078

294.6929, 0.3130,
0.3217

 6.3622, 0.3136,
0.3034

351.1123, 0.3130,

 3.0666, 0.3137,

0.3221

0.2966

414.3090, 0.3130,
0.3225

■ 1.1666, 0.3137,
0.2852

■ 0.0342, 0.3254,
0.0651

■ 76.9716, 0.3132,
0.3176

■ 76.9716, 0.3132,
0.3176

■ 65.1750, 0.3142,
0.2927

■ 90.5210, 0.3122,
0.3416

■ 55.0502, 0.3153,
0.2676


■ 95.2284, 0.3119,
0.3490


■ 46.5243, 0.3163,
0.2429

■ 95.2549, 0.3120,
0.3490

■ 39.5154, 0.3172,
0.2198


■ 95.2815, 0.3121,
0.3490


 33.9343, 0.3180,
0.1991


 95.3081, 0.3122,
0.3490


 29.6826, 0.3186,
0.1817


 95.3347, 0.3123,
0.3490

 26.6492, 0.3190,
0.1684

 95.3614, 0.3124,
0.3490

 24.7051, 0.3192,
0.1594

 95.3881, 0.3125,
0.3490

 23.6926, 0.3193,
0.1546

 95.4148, 0.3126,
0.3490

Harmonies

Analogous

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



76.9716, 0.3051, 0.3150



76.9716, 0.3132, 0.3176



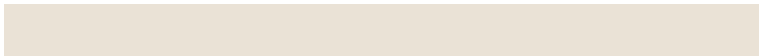
76.9716, 0.3212, 0.3231

Triad

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



76.9716, 0.3132, 0.3176



76.9716, 0.3264, 0.3419



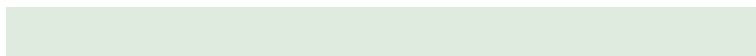
76.9716, 0.2986, 0.3276

Complementary

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



76.9716, 0.3132, 0.3176



80.6793, 0.3122, 0.3407

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.



76.9716, 0.3042, 0.3350



76.9716, 0.3132, 0.3176



76.9716, 0.3202, 0.3434

Square

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



76.9716, 0.3132, 0.3176



76.9716, 0.3289, 0.3371



76.9716, 0.3121, 0.3408



76.9716, 0.2968, 0.3207

Rectangle

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



76.9716, 0.3132, 0.3176



76.9716, 0.3255, 0.3277



76.9716, 0.3121, 0.3408



76.9716, 0.3001, 0.3301

Sweetspot

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



76.9749, 0.3132, 0.3176



98.3806, 0.3128, 0.3266



75.2682, 0.3056, 0.3175



21.0746, 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.



76.9749, 0.3132, 0.3176



90.6045, 0.3133, 0.3143



76.6841, 0.3167, 0.3231



16.0466, 0.3134, 0.3128



13.0236, 0.3193, 0.1532



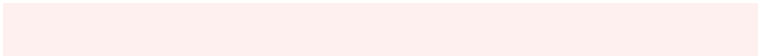
1.0243, 0.3195, 0.1534

Inverse Universe

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



76.3739, 0.3204, 0.3289



89.6832, 0.3228, 0.3289



80.9612, 0.3089, 0.3350



15.8662, 0.3239, 0.3289



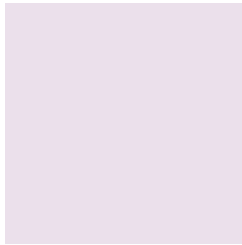
9.8324, 0.6394, 0.3296



0.7727, 0.6374, 0.3285

Previews

White Background



This preview shows how the Yxy color 76.9716, 0.3132, 0.3176 looks on a white background.

Color Contrast Check

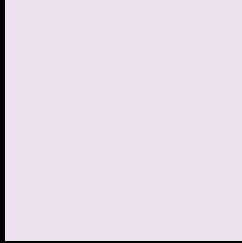
Large Text (above 18pt) WCAG AA × Fail

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 76.9716, 0.3132, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

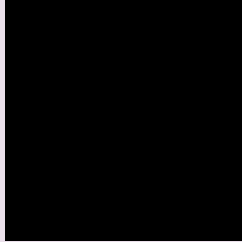
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

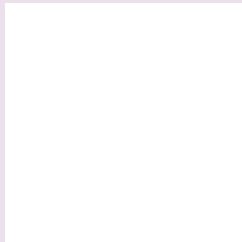
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.9716, 0.3132, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 76.9716, 0.3132, 0.3176.

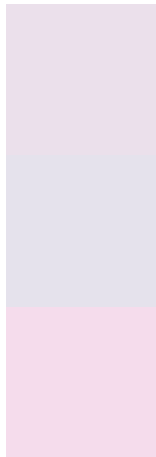


This preview shows how white text looks on a background with the Yxy color 76.9716, 0.3132, 0.3176.

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

76.9716, 0.3132, 0.3176

Protanopia

77.1069, 0.3084, 0.3185

Deuteranopia

76.6550, 0.3199, 0.3128



Tritanopia

76.9591, 0.3101, 0.3105

Trichromacy



Original Color

76.9716, 0.3132, 0.3176

Protanomaly

76.8955, 0.3098, 0.3175

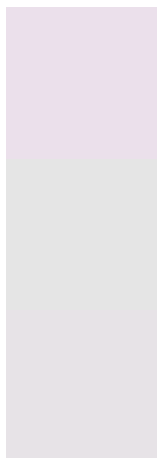
Deuteranomaly

76.4698, 0.3170, 0.3137

Tritanomaly

76.8402, 0.3114, 0.3125

Monochromacy



Original Color

76.9716, 0.3132, 0.3176

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

77.6966, 0.3129, 0.3248

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9716, 0.3132, 0.3176 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, 224, 235)` looks like.

```
.text, #text, p{  
    color:rgb(235, 224, 235)  
}
```

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, 224, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 224, 235) }
```

Border

The CSS property to change the border of an element to Yxy 76.9716, 0.3132, 0.3176 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, 224, 235) }
```

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

```
.border{ border-color:rgb(235, 224, 235) }
```

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

Here you see how a box with a 4 pixel rgb(235, 224, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 224, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 224, 235);  
box-shadow:4px 4px 4px 4px rgb(235, 224,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9716, 0.3132, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 224, 235) }
```

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

```
.background{ background-color: rgb(235,  
224, 235) }
```

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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