

Converting Colors

Yxy(78.3963, 0.2998, 0.3248)

Have a look what the booklet for
Yxy(78.3963, 0.2998, 0.3248)
contains.

Yxy(78.3683, 0.2996, 0.3247)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.3683, 0.2996, 0.3247)

Conversions

Conversions Part 1

Format	Color
Hex	D8E8EC
RGB	216, 232, 236
RGB Percent	85%, 91%, 93%
CMY	0.1530, 0.0901, 0.0745
CMYK	0.08, 0.02, 0.00, 0.07
HSL	192°, 35%, 89%
HSV	192°, 8%, 93%
XYZ	72.3103, 78.3683, 90.6775
YIQ	227.6720, -10.8200, -2.1480

Conversions

Conversions Part 2

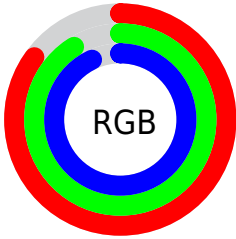
Format	Color
R _Y B	216, 225, 236
Decimal	14215404
CIE Lab	90.95, -4.53, -3.77
CIE LCh	91, 5.900, 219.773
Yxy	78.3683, 0.2996, 0.3247
Android (android.graphics.Color)	4292405484 (0xFFD8E8EC)
YUV	227.6720, 4.1057, -10.2363
Hunter-Lab	88.5259, -9.1168, 1.2371

Details

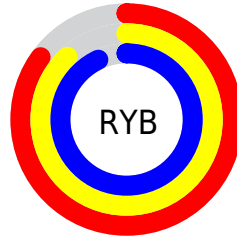
The Yxy color **78.3683, 0.2996, 0.3247** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **73.9608, 0.3270, 0.3333**, and the grayscale version is **77.3056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **41.9230, 0.2967, 0.3234** is the 20% darker color. If you saturate the color by 10%, you get **72.4170, 0.2844, 0.3192**, and if you desaturate by 10%, it is **84.9134, 0.3151, 0.3297**.

Distribution



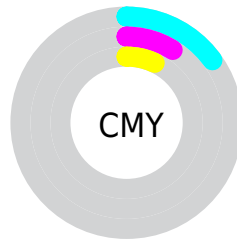
- Red (85%)
- Green (91%)
- Blue (93%)



- Red (85%)
- Yellow (88%)
- Blue (93%)



- Cyan (8%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)



- Cyan (15%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.3683, 0.2996, 0.3247 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 78.3683, 0.2996, 0.3247 by changing the saturation by 10% instead.

■ 78.3683, 0.2996,
0.3247

■ 78.3683, 0.2996,
0.3247

489.4167, 0.3056,
0.3267

■ 58.3766, 0.2983,
0.3242

131.0692, 0.3017,
0.3254

■ 42.1115, 0.2966,
0.3237

164.5471, 0.3025,
0.3257

■ 29.1886, 0.2945,
0.3230

203.2893, 0.3032,
0.3259

■ 19.2235, 0.2919,
0.3220

247.6800, 0.3038,
0.3261

■ 11.8319, 0.2882,
0.3207

298.1037, 0.3043,
0.3263

■ 6.6293, 0.2831,
0.3188

354.9448, 0.3048,

■ 3.2314, 0.2753,

0.3264

0.3159

418.5877, 0.3052,
0.3266

■ 1.2537, 0.2620,
0.3106

■ 0.1049, 0.0000,
0.2172

■ 78.3683, 0.2996,
0.3247

■ 78.3683, 0.2996,
0.3247

■ 72.4170, 0.2844,
0.3192

■ 84.9134, 0.3151,
0.3297

■ 67.0272, 0.2698,
0.3132

■ 90.4800, 0.3250,
0.3343

■ 62.1782, 0.2560,
0.3068

■ 93.3095, 0.3246,
0.3389

■ 57.8440, 0.2434,
0.3000

■ 96.2115, 0.3242,
0.3434

■ 53.9962, 0.2324,
0.2929

■ 98.8366, 0.3238,
0.3473

■ 50.6035, 0.2231,
0.2856

■ 47.6301, 0.2158,
0.2783

■ 45.0340, 0.2104,
0.2709

■ 42.7545, 0.2068,
0.2637

Harmonies

Analogous

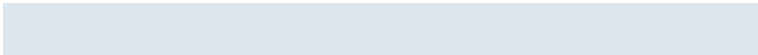
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.3683, 0.3028, 0.3309



78.3683, 0.2996, 0.3247



78.3683, 0.2999, 0.3197

Triad

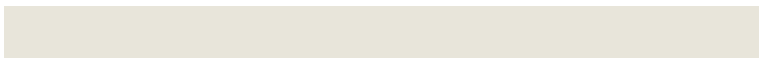
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



78.3683, 0.2996, 0.3247



78.3683, 0.3167, 0.3215



78.3683, 0.3219, 0.3409

Complementary

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



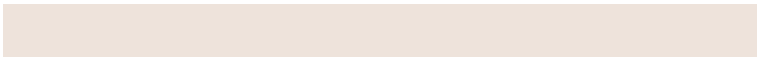
78.3683, 0.2996, 0.3247



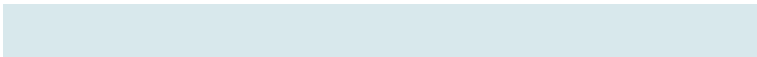
73.9608, 0.3270, 0.3333

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.



78.3683, 0.3257, 0.3382



78.3683, 0.2996, 0.3247



78.3683, 0.3227, 0.3270

Square

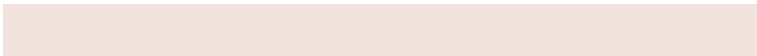
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.3683, 0.2996, 0.3247



78.3683, 0.3097, 0.3179



78.3683, 0.3260, 0.3331



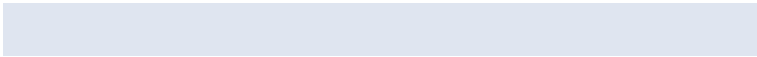
78.3683, 0.3157, 0.3404

Rectangle

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



78.3683, 0.2996, 0.3247



78.3683, 0.3020, 0.3178



78.3683, 0.3260, 0.3331



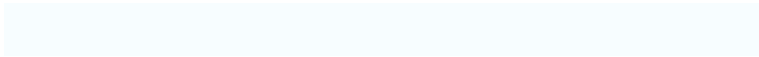
78.3683, 0.3235, 0.3403

Sweetspot

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



78.3716, 0.2996, 0.3247



97.6082, 0.3081, 0.3275



79.7391, 0.3094, 0.3467



20.7577, 0.3068, 0.3271



0.0000, 0.0000, 0.0000



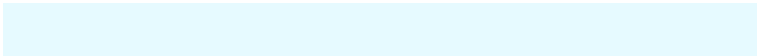
21.4041, 0.3127, 0.3290

Same Dimension

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



78.3716, 0.2996, 0.3247



92.2782, 0.2972, 0.3239



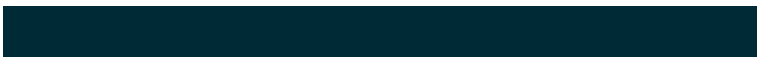
73.0628, 0.2996, 0.3142



16.5818, 0.2981, 0.3242



23.5708, 0.2066, 0.2638



1.9804, 0.2094, 0.2738

Inverse Universe

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



72.7590, 0.3164, 0.3123



84.4725, 0.3171, 0.3092



79.1974, 0.3260, 0.3434



15.2593, 0.3168, 0.3103



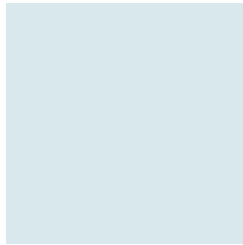
11.8723, 0.3787, 0.1860



0.9453, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 78.3683, 0.2996, 0.3247 looks on a white background.

Color Contrast Check

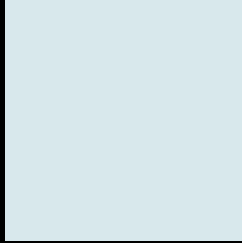
Large Text (above 18pt) WCAG AA × Fail

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 78.3683, 0.2996, 0.3247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

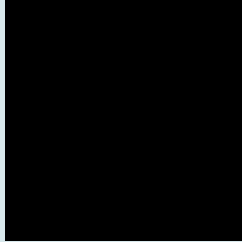
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

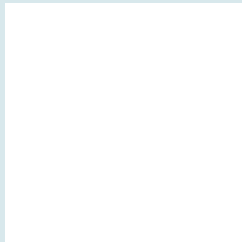
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 78.3683, 0.2996, 0.3247

Background



This preview shows how black text looks on a background with the Yxy color 78.3683, 0.2996, 0.3247.

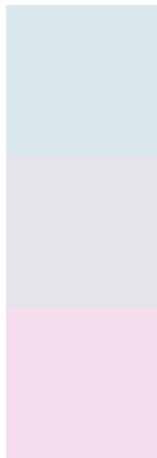


This preview shows how white text looks on a background with the Yxy color 78.3683, 0.2996, 0.3247.

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

78.3683, 0.2996, 0.3247

Protanopia

78.3589, 0.3116, 0.3238

Deuteranopia

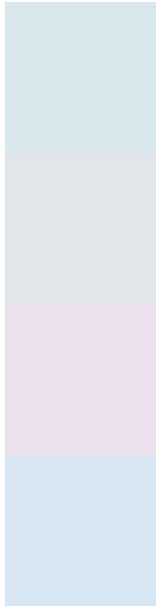
78.1898, 0.3198, 0.3129



Tritanopia

78.2764, 0.2938, 0.3101

Trichromacy



Original Color

78.3683, 0.2996, 0.3247

Protanomaly

78.1479, 0.3075, 0.3237

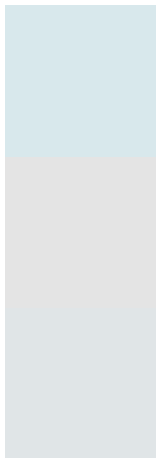
Deuteranomaly

78.3400, 0.3126, 0.3177

Tritanomaly

78.4352, 0.2955, 0.3152

Monochromacy



Original Color

78.3683, 0.2996, 0.3247

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

77.6554, 0.3080, 0.3269

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3683, 0.2996, 0.3247 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(216, 232, 236)` looks like.

```
.text, #text, p{  
    color:rgb(216, 232, 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(216, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 232, 236) }
```

Border

The CSS property to change the border of an element to Yxy 78.3683, 0.2996, 0.3247 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(216, 232, 236) }
```

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

```
.border{ border-color:rgb(216, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(216, 232,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3683, 0.2996, 0.3247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 232, 236) }
```

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

```
.background{ background-color: rgb(216,  
232, 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](#).

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