

Converting Colors

$Y_{xy}(100.0000, 0.3023, 0.3346)$

Have a look what the booklet for
Yxy(100.0000, 0.3023, 0.3346)
contains.

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Color

Yxy(96.6803, 0.3023, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	EDFFFE
RGB	237, 255, 254
RGB Percent	93%, 100%, 100%
CMY	0.0706, 0.0000, 0.0041
CMYK	0.07, 0.00, 0.00, 0.00
HSL	177°, 100%, 96%
HSV	177°, 7%, 100%
XYZ	88.5650, 96.6803, 107.7253
YIQ	249.5040, -10.4070, -4.1270

Conversions

Conversions Part 2

Format	Color
R _Y B	237, 246, 255
Decimal	15597566
CIE Lab	98.70, -6.04, -1.53
CIE LCh	99, 6.230, 194.186
Yxy	96.6803, 0.3023, 0.3300
Android (android.graphics.Color)	4293787646 (0xFFEDFFFE)
YUV	249.5040, 2.2165, -10.9660
Hunter-Lab	98.3261, -11.2910, 3.8707

Details

The Yxy color 96.6803, 0.3023, 0.3300 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.9940, 0.3241, 0.3280, and the grayscale version is 95.1471, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.2431, 0.3003, 0.3302 is the 20% darker color. If you saturate the color by 10%, you get 92.5001, 0.2882, 0.3315, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



- Red (93%)
- Green (100%)
- Blue (100%)



- Red (93%)
- Yellow (96%)
- Blue (100%)



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





- Cyan (7%)
- Magenta (0%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.6803, 0.3023, 0.3300 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 96.6803, 0.3023, 0.3300 by changing the saturation by 10% instead.


 96.6803, 0.3023,
0.3300

 96.6803, 0.3023,
0.3300


549.5304, 0.3069,
0.3296

 73.5343, 0.3013,
0.3301


156.5840, 0.3038,
0.3299

 54.4129, 0.3001,
0.3302


194.1104, 0.3045,
0.3298

 38.9319, 0.2986,
0.3303


237.1991, 0.3050,
0.3298

 26.7068, 0.2968,
0.3305

286.2345, 0.3055,
0.3297

 17.3531, 0.2943,
0.3307

341.6009, 0.3059,
0.3297

 10.4866, 0.2910,
0.3309

403.6828, 0.3062,

 5.7227, 0.2862,

0.3296

0.3313

472.8645, 0.3066,
0.3296

■ 2.6772, 0.2787,
0.3318

■ 0.9656, 0.2647,
0.3327

■ 96.6803, 0.3023,
0.3300

■ 96.6803, 0.3023,
0.3300

■ 92.5001, 0.2882,
0.3315

100.0000, 0.3127,
0.3290

■ 88.9236, 0.2751,
0.3331

■ 85.9176, 0.2633,
0.3349

■ 83.4520, 0.2530,
0.3367

■ 81.4934, 0.2446,
0.3386

■ 80.0053, 0.2380,
0.3406

■ 78.9458, 0.2335,
0.3425

■ 78.2659, 0.2308,
0.3445

■ 77.9030, 0.2298,
0.3464

Harmonies

Analogous

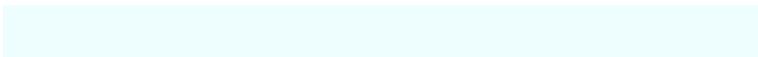
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.6803, 0.3078, 0.3359



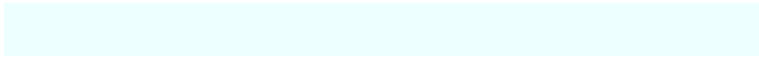
96.6803, 0.3023, 0.3300



96.6803, 0.2996, 0.3239

Triad

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



96.6803, 0.3023, 0.3300



96.6803, 0.3107, 0.3185



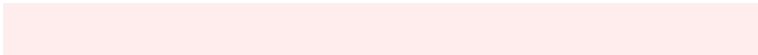
96.6803, 0.3252, 0.3386

Complementary

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



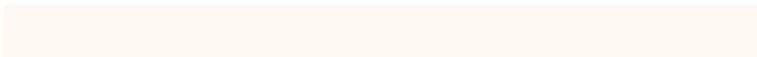
96.6803, 0.3023, 0.3300



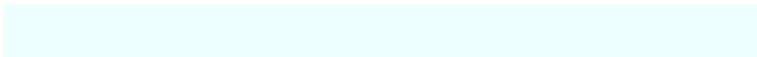
87.9940, 0.3241, 0.3280

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.



96.6803, 0.3260, 0.3339



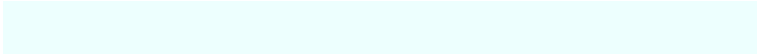
96.6803, 0.3023, 0.3300



96.6803, 0.3176, 0.3223

Square

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



96.6803, 0.3023, 0.3300



96.6803, 0.3044, 0.3174



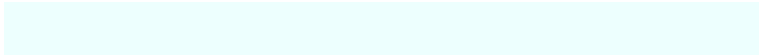
96.6803, 0.3232, 0.3279



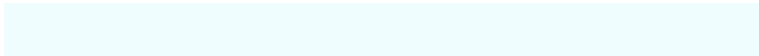
96.6803, 0.3210, 0.3409

Rectangle

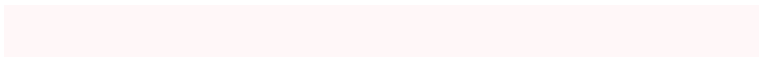
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



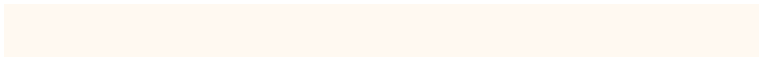
96.6803, 0.3023, 0.3300



96.6803, 0.2997, 0.3206



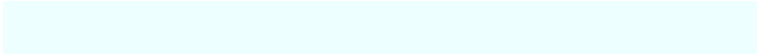
96.6803, 0.3232, 0.3279



96.6803, 0.3259, 0.3373

Sweetspot

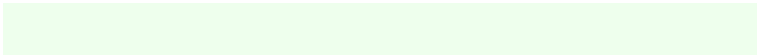
The Sweet Spot groups the original color and five complimentary colors.



96.6752, 0.3023, 0.3300



99.0266, 0.3097, 0.3293



95.8429, 0.3126, 0.3469



21.2060, 0.3099, 0.3293



0.0000, 0.0000, 0.0000



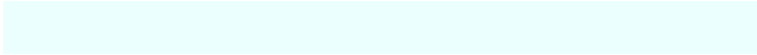
21.4041, 0.3127, 0.3290

Same Dimension

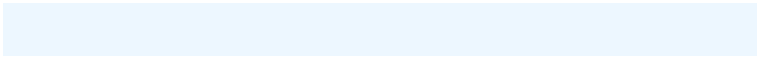
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.6752, 0.3023, 0.3300



96.2586, 0.3009, 0.3301



91.8618, 0.3018, 0.3213



20.4623, 0.2988, 0.3303



40.6752, 0.2296, 0.3466



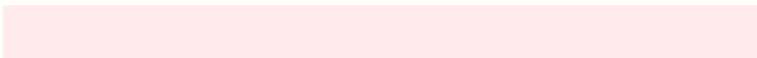
3.9657, 0.2290, 0.3444

Inverse Universe

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



87.9940, 0.3241, 0.3280



86.4910, 0.3258, 0.3279



92.5522, 0.3241, 0.3366



18.0040, 0.3285, 0.3277



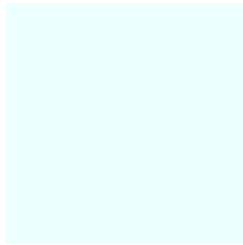
11.1330, 0.6343, 0.3268



1.0897, 0.6208, 0.3194

Previews

White Background



This preview shows how the Yxy color 96.6803, 0.3023, 0.3300 looks on a white background.

Color Contrast Check

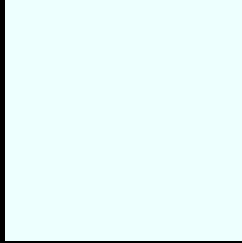
Large Text (above 18pt) WCAG AA × Fail

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 96.6803, 0.3023, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

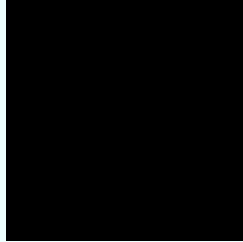
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.6803, 0.3023, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 96.6803, 0.3023, 0.3300.

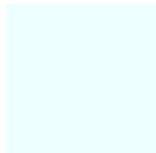


This preview shows how white text looks on a background with the Yxy color 96.6803, 0.3023, 0.3300.

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

96.6803, 0.3023, 0.3300



Protanopia

96.5962, 0.3153, 0.3281

Deuteranopia

96.6595, 0.3147, 0.3271

Tritanopia

96.3541, 0.3091, 0.3251

Trichromacy



Original Color

96.6803, 0.3023, 0.3300

Protanomaly

96.6055, 0.3102, 0.3290

Deuteranomaly

96.6691, 0.3096, 0.3280

Tritanomaly

96.2533, 0.3066, 0.3261

Monochromacy



Original Color

96.6803, 0.3023, 0.3300

Achromatopsia

94.7307, 0.3127, 0.3290

Achromatomaly

95.3719, 0.3090, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.6803, 0.3023, 0.3300 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(237, 255, 254)` looks like.

```
.text, #text, p{  
    color:rgb(237, 255, 254)  
}
```

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(237, 255, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 254) }
```

Border

The CSS property to change the border of an element to Yxy 96.6803, 0.3023, 0.3300 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(237, 255, 254) }
```

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

```
.border{ border-color:rgb(237, 255, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 255, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 254);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 96.6803, 0.3023, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 254) }
```

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

```
.background{ background-color: rgb(237,  
255, 254) }
```

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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