

Converting Colors

$Yxy(96.9018, 0.2913, 0.3110)$

Have a look what the booklet for
Yxy(96.9018, 0.2913, 0.3110)
contains.

Yxy(95.7658, 0.3005, 0.3280)	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(95.7658, 0.3005, 0.3280)

Conversions

Conversions Part 1

Format	Color
Hex	EBFEFF
RGB	235, 254, 255
RGB Percent	92%, 100%, 100%
CMY	0.0787, 0.0038, 0.0000
CMYK	0.08, 0.00, 0.00, 0.00
HSL	183°, 100%, 96%
HSV	183°, 8%, 100%
XYZ	87.7367, 95.7658, 108.4664
YIQ	248.4330, -11.6450, -3.7170

Conversions

Conversions Part 2

Format	Color
R _{YB}	235, 245, 255
Decimal	15466239
CIE Lab	98.34, -6.00, -2.61
CIE LCh	98, 6.545, 203.483
Yxy	95.7658, 0.3005, 0.3280
Android (android.graphics.Color)	4293656319 (0xFFEBFEFF)
YUV	248.4330, 3.2375, -11.7807
Hunter-Lab	97.8600, -11.2203, 2.7859

Details

The Yxy color 95.7658, 0.3005, 0.3280 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.1958, 0.3262, 0.3300, and the grayscale version is 94.2170, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.5934, 0.2981, 0.3277 is the 20% darker color. If you saturate the color by 10%, you get 90.9522, 0.2856, 0.3266, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

Distribution



- Red (92%)
- Green (100%)
- Blue (100%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



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





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

Brightness & Saturation Gradients

These gradients show how the Yxy color 95.7658, 0.3005, 0.3280 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 95.7658, 0.3005, 0.3280 by changing the saturation by 10% instead.

 95.7658, 0.3005,
0.3280

 95.7658, 0.3005,
0.3280

546.6137, 0.3059,
0.3285

 72.7725, 0.2993,
0.3279


155.3222, 0.3023,
0.3282

 53.7900, 0.2979,
0.3278


192.6540, 0.3030,
0.3282

 38.4338, 0.2962,
0.3276


235.5342, 0.3037,
0.3283

 26.3195, 0.2940,
0.3274

284.3471, 0.3042,
0.3283

 17.0628, 0.2911,
0.3271

339.4771, 0.3047,
0.3284

 10.2793, 0.2872,
0.3266

401.3086, 0.3051,

 5.5845, 0.2815,

0.3284

0.3260

470.2260, 0.3055,
0.3284

■ 2.5941, 0.2727,
0.3248

■ 0.9237, 0.2556,
0.3230

■ 95.7658, 0.3005,
0.3280

■ 95.7658, 0.3005,
0.3280

■ 90.9522, 0.2856,
0.3266

100.0000, 0.3127,
0.3290

■ 86.7354, 0.2717,
0.3252

■ 83.0911, 0.2591,
0.3236

■ 79.9890, 0.2480,
0.3220

■ 77.3955, 0.2388,
0.3204

■ 75.2736, 0.2314,
0.3187

■ 73.5811, 0.2260,
0.3170

■ 72.2681, 0.2225,
0.3154

■ 71.2680, 0.2207,
0.3138

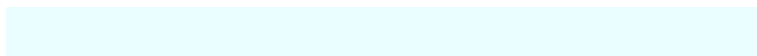
Harmonies

Analogous

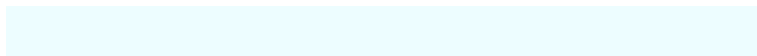
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.7658, 0.3055, 0.3345



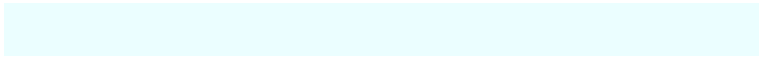
95.7658, 0.3005, 0.3280



95.7658, 0.2988, 0.3219

Triad

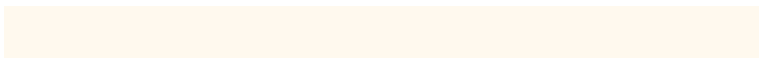
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



95.7658, 0.3005, 0.3280



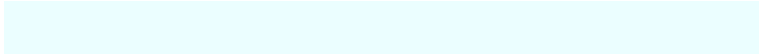
95.7658, 0.3129, 0.3189



95.7658, 0.3248, 0.3402

Complementary

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



95.7658, 0.3005, 0.3280



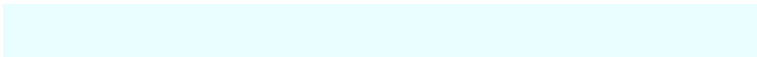
87.1958, 0.3262, 0.3300

Split Complementary

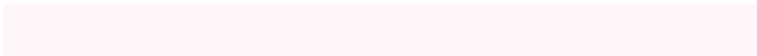
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.7658, 0.3269, 0.3359



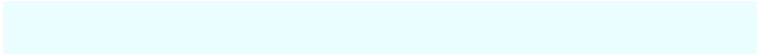
95.7658, 0.3005, 0.3280



95.7658, 0.3200, 0.3236

Square

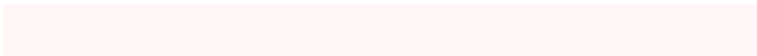
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



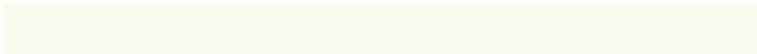
95.7658, 0.3005, 0.3280



95.7658, 0.3059, 0.3168



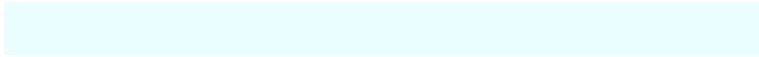
95.7658, 0.3251, 0.3298



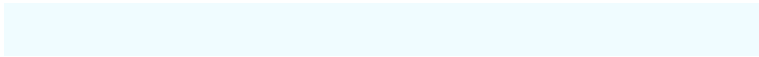
95.7658, 0.3195, 0.3416

Rectangle

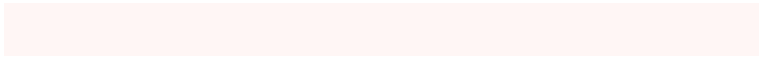
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



95.7658, 0.3005, 0.3280



95.7658, 0.2997, 0.3189



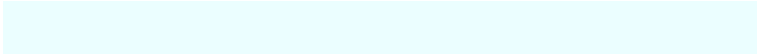
95.7658, 0.3251, 0.3298



95.7658, 0.3259, 0.3391

Sweetspot

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



95.7698, 0.3005, 0.3280



98.8872, 0.3096, 0.3288



95.2046, 0.3114, 0.3484



21.1776, 0.3097, 0.3288



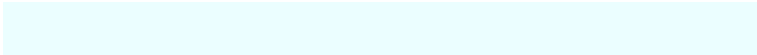
0.0000, 0.0000, 0.0000



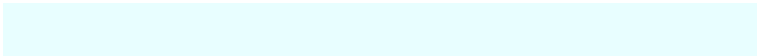
21.4041, 0.3127, 0.3290

Same Dimension

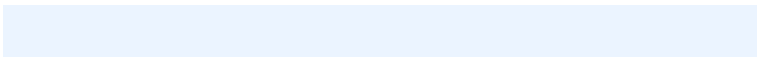
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.7698, 0.3005, 0.3280



95.1935, 0.2988, 0.3279



89.7534, 0.3005, 0.3183



20.3209, 0.2980, 0.3278



37.2044, 0.2205, 0.3137



3.6673, 0.2210, 0.3156

Inverse Universe

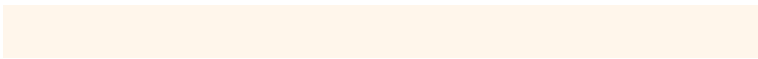
The Inverse Universe completely reimagines the original color for something new.



87.7980, 0.3142, 0.3106



86.1496, 0.3145, 0.3079



92.9456, 0.3253, 0.3394



18.2842, 0.3146, 0.3067



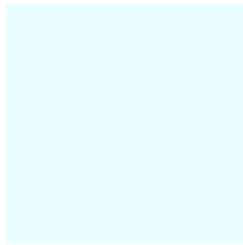
14.4838, 0.3335, 0.1611



1.4148, 0.3320, 0.1602

Previews

White Background



This preview shows how the Yxy color 95.7658, 0.3005, 0.3280 looks on a white background.

Color Contrast Check

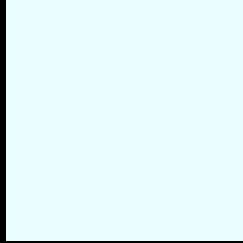
Large Text (above 18pt) WCAG AA × Fail

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 95.7658, 0.3005, 0.3280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

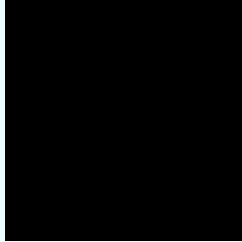
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 95.7658, 0.3005, 0.3280

Background



This preview shows how black text looks on a background with the Yxy color 95.7658, 0.3005, 0.3280.

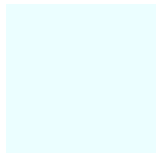


This preview shows how white text looks on a background with the Yxy color 95.7658, 0.3005, 0.3280.

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

95.7658, 0.3005, 0.3280



Protanopia

95.8505, 0.3141, 0.3261

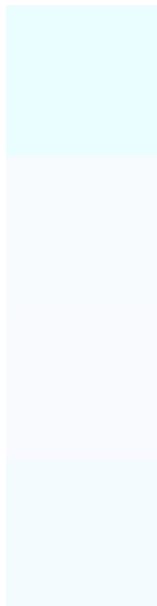
Deuteranopia

95.4231, 0.3148, 0.3252

Tritanopia

95.3654, 0.3079, 0.3242

Trichromacy



Original Color

95.7658, 0.3005, 0.3280

Protanomaly

95.8604, 0.3091, 0.3271

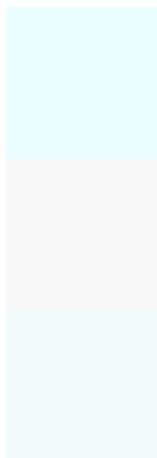
Deuteranomaly

95.4195, 0.3097, 0.3261

Tritanomaly

95.2690, 0.3054, 0.3251

Monochromacy



Original Color

95.7658, 0.3005, 0.3280

Achromatopsia

93.8686, 0.3127, 0.3290

Achromatomaly

94.3909, 0.3077, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 95.7658, 0.3005, 0.3280 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, 254, 255)` looks like.

```
.text, #text, p{  
    color:rgb(235, 254, 255)  
}
```

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, 254, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 254, 255) }
```

Border

The CSS property to change the border of an element to Yxy 95.7658, 0.3005, 0.3280 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, 254, 255) }
```

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

```
.border{ border-color:rgb(235, 254, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 254, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(235, 254,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 95.7658, 0.3005, 0.3280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 254, 255) }
```

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

```
.background{ background-color: rgb(235,  
254, 255) }
```

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