

Converting Colors

$Yxy(92.8152, 0.2978, 0.3192)$

Have a look what the booklet for
Yxy(92.8152, 0.2978, 0.3192)
contains.

Yxy(92.4638, 0.2999, 0.3230)	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(92.4638, 0.2999, 0.3230)

Conversions

Conversions Part 1

Format	Color
Hex	EAF9FF
RGB	234, 249, 255
RGB Percent	92%, 98%, 100%
CMY	0.0825, 0.0235, 0.0000
CMYK	0.08, 0.02, 0.00, 0.00
HSL	197°, 100%, 96%
HSV	197°, 8%, 100%
XYZ	85.8511, 92.4638, 107.9508
YIQ	245.1990, -10.8660, -1.3140

Conversions

Conversions Part 2

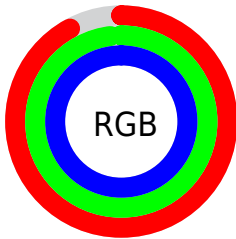
Format	Color
R_{YB}	234, 243, 255
Decimal	15399423
CIE _{Lab}	97.01, -3.79, -4.58
CIE _{LCh}	97, 5.945, 230.447
Yxy	92.4638, 0.2999, 0.3230
Android (android.graphics.Color)	4293589503 (0xFFEAF9FF)
YUV	245.1990, 4.8319, -9.8215
Hunter-Lab	96.1581, -8.9098, 0.7494

Details

The Yxy color 92.4638, 0.2999, 0.3230 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 89.4889, 0.3265, 0.3349, and the grayscale version is 91.4428, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.6821, 0.2973, 0.3226 is the 20% darker color. If you saturate the color by 10%, you get 84.0570, 0.2844, 0.3151, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

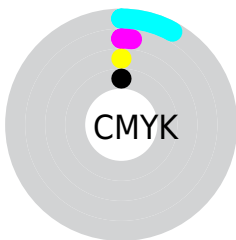
Distribution



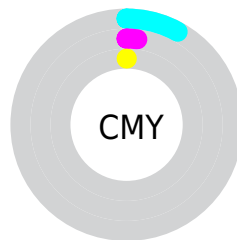
- Red (92%)
- Green (98%)
- Blue (100%)



- Red (92%)
- Yellow (95%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.4638, 0.2999, 0.3230 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 92.4638, 0.2999, 0.3230 by changing the saturation by 10% instead.

 92.4638, 0.2999,
0.3230

 92.4638, 0.2999,
0.3230


536.0133, 0.3056,
0.3257

 70.0259, 0.2987,
0.3224


150.7560, 0.3018,
0.3239

 51.5477, 0.2972,
0.3217


187.3792, 0.3026,
0.3243

 36.6446, 0.2953,
0.3208


229.4996, 0.3032,
0.3246

 24.9325, 0.2930,
0.3196

277.5015, 0.3038,
0.3249

 16.0268, 0.2899,
0.3181

331.7695, 0.3043,
0.3251

 9.5431, 0.2856,
0.3160

392.6878, 0.3048,

 5.0971, 0.2795,

0.3253

0.3128

460.6410, 0.3052,
0.3255

■ 2.3043, 0.2697,
0.3077

■ 0.7760, 0.2481,
0.2984

■ 92.4638, 0.2999,
0.3230

■ 92.4638, 0.2999,
0.3230

■ 84.0570, 0.2844,
0.3151

100.0000, 0.3127,
0.3290

■ 76.4140, 0.2692,
0.3064

■ 69.5067, 0.2547,
0.2971

■ 63.3026, 0.2411,
0.2871

■ 57.7661, 0.2288,
0.2767

■ 52.8579, 0.2183,
0.2659

■ 48.5335, 0.2096,
0.2550

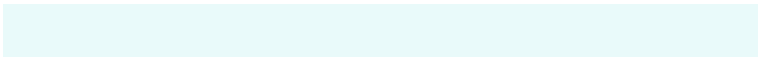
■ 44.7405, 0.2031,
0.2442

■ 41.4076, 0.1984,
0.2335

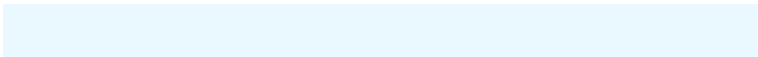
Harmonies

Analogous

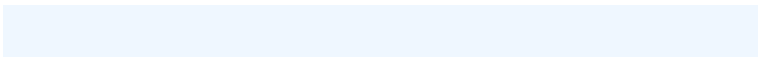
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4638, 0.3018, 0.3287



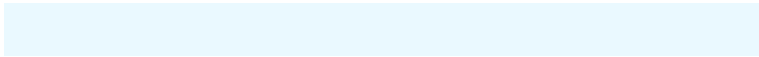
92.4638, 0.2999, 0.3230



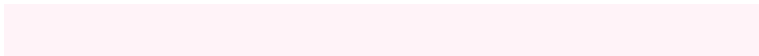
92.4638, 0.3014, 0.3190

Triad

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



92.4638, 0.2999, 0.3230



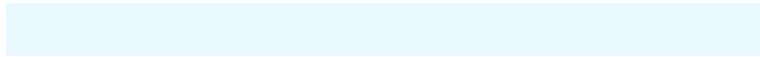
92.4638, 0.3188, 0.3236



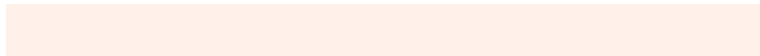
92.4638, 0.3196, 0.3405

Complementary

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



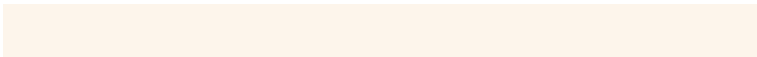
92.4638, 0.2999, 0.3230



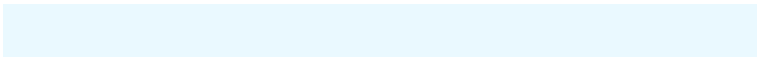
89.4889, 0.3265, 0.3349

Split Complementary

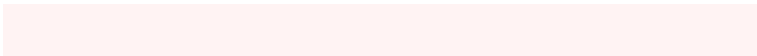
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4638, 0.3242, 0.3390



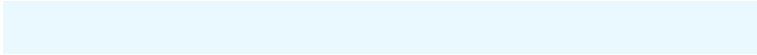
92.4638, 0.2999, 0.3230



92.4638, 0.3237, 0.3292

Square

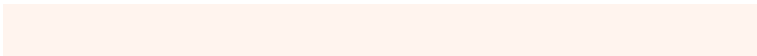
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.4638, 0.2999, 0.3230



92.4638, 0.3122, 0.3194



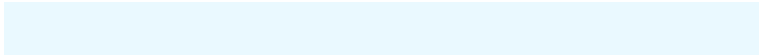
92.4638, 0.3257, 0.3348



92.4638, 0.3131, 0.3389

Rectangle

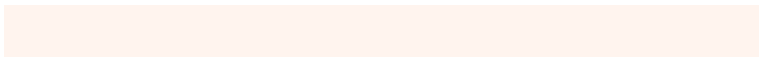
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.4638, 0.2999, 0.3230



92.4638, 0.3041, 0.3178



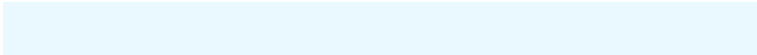
92.4638, 0.3257, 0.3348



92.4638, 0.3214, 0.3404

Sweetspot

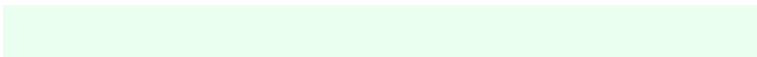
The Sweet Spot groups the original color and five complimentary colors.



92.4660, 0.2999, 0.3230



98.1230, 0.3096, 0.3276



95.2929, 0.3083, 0.3441



21.0221, 0.3098, 0.3277



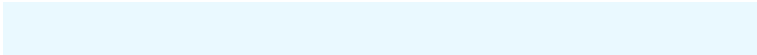
0.0000, 0.0000, 0.0000



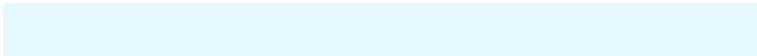
21.4041, 0.3127, 0.3290

Same Dimension

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



92.4660, 0.2999, 0.3230



90.9376, 0.2972, 0.3217



86.1592, 0.2999, 0.3125



19.5565, 0.2980, 0.3221



21.6147, 0.1982, 0.2334



2.2909, 0.2016, 0.2456

Inverse Universe

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



86.9251, 0.3174, 0.3144



84.3371, 0.3185, 0.3112



95.8447, 0.3254, 0.3450



18.2070, 0.3182, 0.3121



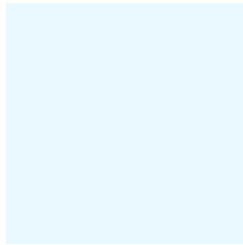
12.9100, 0.4091, 0.2027



1.2758, 0.3966, 0.1959

Previews

White Background



This preview shows how the Yxy color 92.4638, 0.2999, 0.3230 looks on a white background.

Color Contrast Check

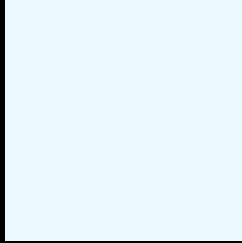
Large Text (above 18pt) WCAG AA × Fail

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 92.4638, 0.2999, 0.3230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

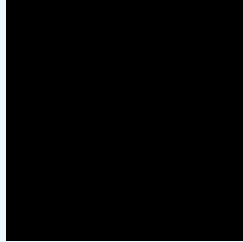
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

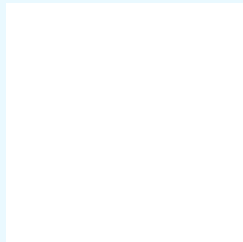
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.4638, 0.2999, 0.3230

Background



This preview shows how black text looks on a background with the Yxy color 92.4638, 0.2999, 0.3230.

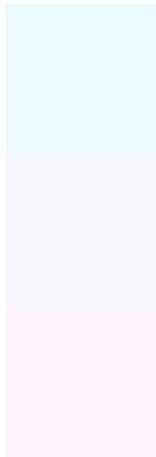


This preview shows how white text looks on a background with the Yxy color 92.4638, 0.2999, 0.3230.

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

92.4638, 0.2999, 0.3230

Protanopia

92.5364, 0.3105, 0.3212

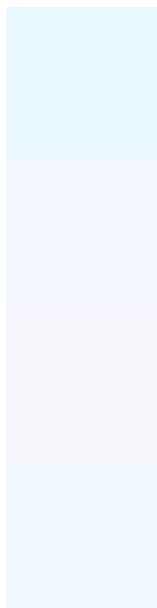
Deuteranopia

92.3262, 0.3157, 0.3213

Tritanopia

92.6188, 0.3049, 0.3211

Trichromacy



Original Color

92.4638, 0.2999, 0.3230

Protanomaly

92.3004, 0.3067, 0.3212

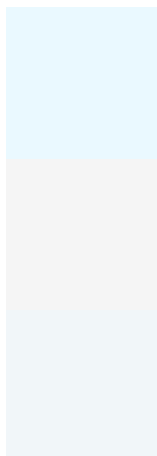
Deuteranomaly

92.1072, 0.3098, 0.3222

Tritanomaly

92.7055, 0.3030, 0.3221

Monochromacy



Original Color

92.4638, 0.2999, 0.3230

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.4519, 0.3078, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4638, 0.2999, 0.3230 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(234, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(234, 249, 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(234, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 249, 255) }
```

Border

The CSS property to change the border of an element to Yxy 92.4638, 0.2999, 0.3230 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(234, 249, 255) }
```

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

```
.border{ border-color:rgb(234, 249, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 249, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(234, 249,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4638, 0.2999, 0.3230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 249, 255) }
```

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

```
.background{ background-color: rgb(234,  
249, 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