

Converting Colors

$Yxy(93.3851, 0.2859, 0.3070)$

Have a look what the booklet for
Yxy(93.3851, 0.2859, 0.3070)
contains.

Yxy(92.5453, 0.2957, 0.3249)	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(92.5453, 0.2957, 0.3249)

Conversions

Conversions Part 1

Format	Color
Hex	E3FBFF
RGB	227, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1099, 0.0157, 0.0000
CMYK	0.11, 0.02, 0.00, 0.00
HSL	189°, 100%, 95%
HSV	189°, 11%, 100%
XYZ	84.2279, 92.5453, 108.0692
YIQ	244.2800, -15.5880, -3.8440

Conversions

Conversions Part 2

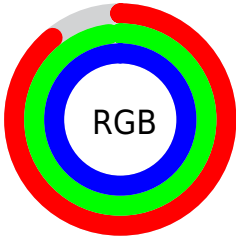
Format	Color
R _Y B	227, 240, 255
Decimal	14941183
CIE Lab	97.04, -6.99, -4.60
CIE LCh	97, 8.371, 213.329
Yxy	92.5453, 0.2957, 0.3249
Android (android.graphics.Color)	4293131263 (0xFFE3FBFF)
YUV	244.2800, 5.2850, -15.1546
Hunter-Lab	96.2005, -12.0659, 0.7354

Details

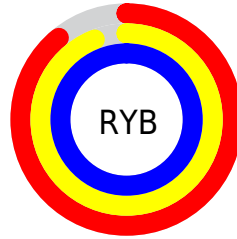
The Yxy color **92.5453, 0.2957, 0.3249** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.9470, 0.3319, 0.3330**, and the grayscale version is **90.6673, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.3187, 0.2920, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **86.4521, 0.2808, 0.3209**, and if you desaturate by 10%, it is **99.2980, 0.3112, 0.3287**.

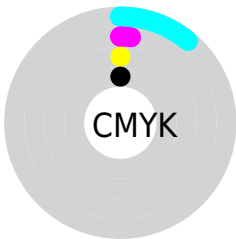
Distribution



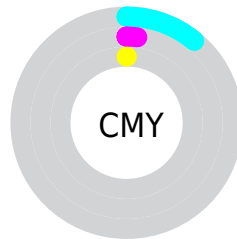
- Red (89%)
- Green (98%)
- Blue (100%)



- Red (89%)
- Yellow (94%)
- Blue (100%)



- Cyan (11%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.5453, 0.2957, 0.3249 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 92.5453, 0.2957, 0.3249 by changing the saturation by 10% instead.

 92.5453, 0.2957,
0.3249

 92.5453, 0.2957,
0.3249


536.2763, 0.3032,
0.3268

 70.0936, 0.2941,
0.3245

150.8689, 0.2982,
0.3255

 51.6029, 0.2921,
0.3240


187.5097, 0.2992,
0.3258

 36.6886, 0.2896,
0.3233


229.6489, 0.3001,
0.3260

 24.9665, 0.2865,
0.3225

277.6711, 0.3009,
0.3262

 16.0521, 0.2824,
0.3213

331.9605, 0.3016,
0.3264

 9.5610, 0.2769,
0.3198

392.9016, 0.3022,

 5.1089, 0.2688,

0.3265

0.3174

460.8787, 0.3027,
0.3267

■ 2.3113, 0.2561,
0.3133

■ 0.7797, 0.2249,
0.3075

■ 92.5453, 0.2957,
0.3249

■ 92.5453, 0.2957,
0.3249

■ 86.4521, 0.2808,
0.3209

■ 99.2980, 0.3112,
0.3287

■ 80.9885, 0.2666,
0.3165

■ 100.0000, 0.3127,
0.3290

■ 76.1264, 0.2536,
0.3119

■ 71.8342, 0.2421,
0.3070

■ 68.0771, 0.2322,
0.3020

■ 64.8164, 0.2242,
0.2969

■ 62.0077, 0.2182,
0.2918

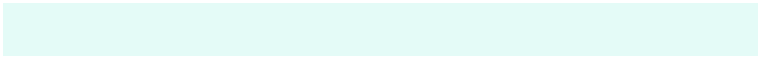
■ 59.5977, 0.2141,
0.2867

■ 57.6920, 0.2117,
0.2822

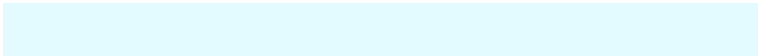
Harmonies

Analogous

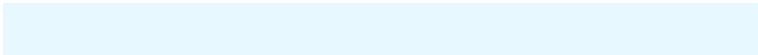
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.5453, 0.3009, 0.3334



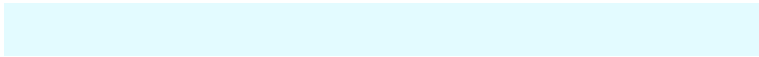
92.5453, 0.2957, 0.3249



92.5453, 0.2950, 0.3177

Triad

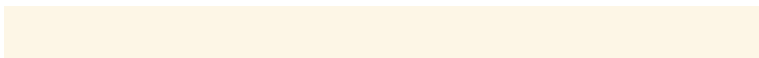
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.5453, 0.2957, 0.3249



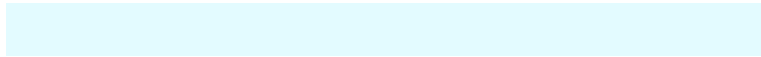
92.5453, 0.3161, 0.3177



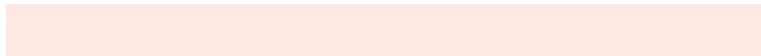
92.5453, 0.3265, 0.3446

Complementary

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



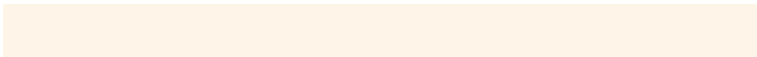
92.5453, 0.2957, 0.3249



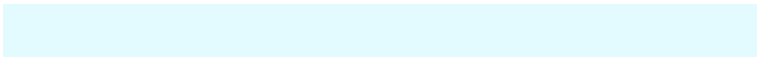
83.9470, 0.3319, 0.3330

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.



92.5453, 0.3307, 0.3400



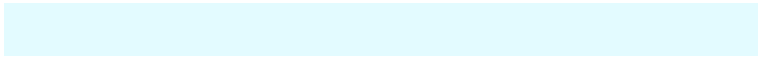
92.5453, 0.2957, 0.3249



92.5453, 0.3246, 0.3246

Square

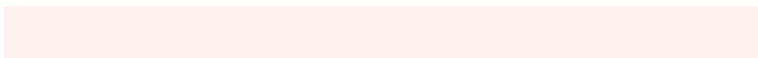
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.5453, 0.2957, 0.3249



92.5453, 0.3067, 0.3137



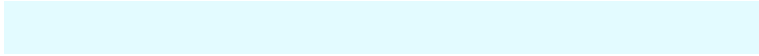
92.5453, 0.3301, 0.3327



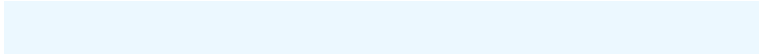
92.5453, 0.3186, 0.3449

Rectangle

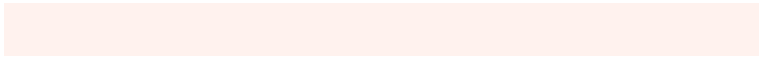
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



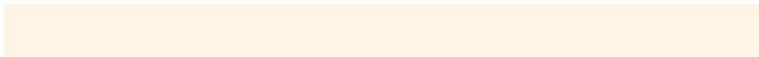
92.5453, 0.2957, 0.3249



92.5453, 0.2972, 0.3146



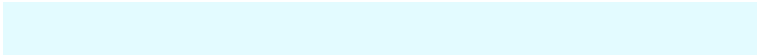
92.5453, 0.3301, 0.3327



92.5453, 0.3284, 0.3435

Sweetspot

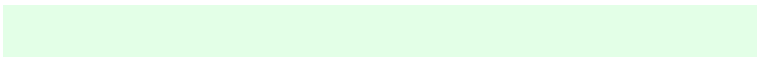
The Sweet Spot groups the original color and five complimentary colors.



92.5462, 0.2957, 0.3250



97.8837, 0.3080, 0.3279



93.6026, 0.3093, 0.3538



20.8323, 0.3068, 0.3276



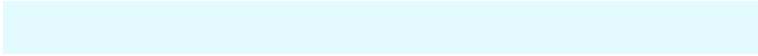
0.0000, 0.0000, 0.0000



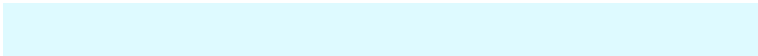
21.4041, 0.3127, 0.3290

Same Dimension

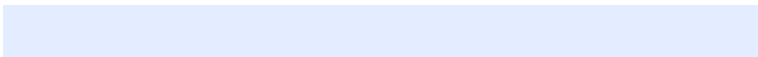
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.5462, 0.2957, 0.3250



91.2665, 0.2927, 0.3242



84.2668, 0.2955, 0.3109



20.0137, 0.2980, 0.3255



30.3146, 0.2120, 0.2830



3.0674, 0.2136, 0.2888

Inverse Universe

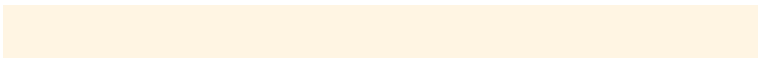
The Inverse Universe completely reimagines the original color for something new.



83.1563, 0.3165, 0.3057



80.3421, 0.3173, 0.3013



91.9460, 0.3303, 0.3464



18.2532, 0.3160, 0.3089



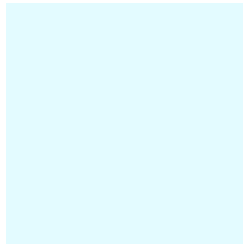
13.7882, 0.3607, 0.1761



1.3542, 0.3554, 0.1732

Previews

White Background



This preview shows how the Yxy color 92.5453, 0.2957, 0.3249 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 92.5453, 0.2957, 0.3249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

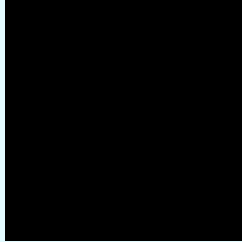
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.5453, 0.2957, 0.3249

Background



This preview shows how black text looks on a background with the Yxy color 92.5453, 0.2957, 0.3249.

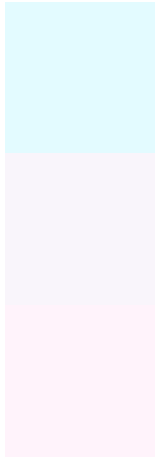


This preview shows how white text looks on a background with the Yxy color 92.5453, 0.2957, 0.3249.

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

92.5453, 0.2957, 0.3249

Protanopia

92.4096, 0.3117, 0.3232

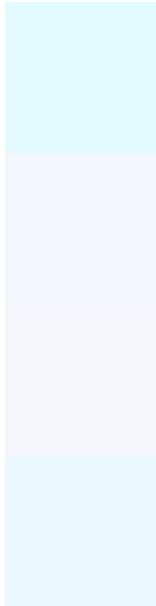
Deuteranopia

92.3262, 0.3157, 0.3213

Tritanopia

92.2668, 0.3036, 0.3211

Trichromacy



Original Color

92.5453, 0.2957, 0.3249

Protanomaly

92.2506, 0.3060, 0.3241

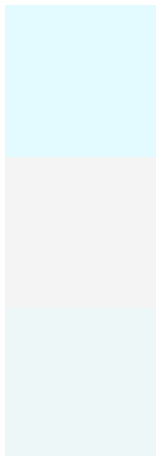
Deuteranomaly

92.3523, 0.3085, 0.3231

Tritanomaly

92.0170, 0.3005, 0.3220

Monochromacy



Original Color

92.5453, 0.2957, 0.3249

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.4760, 0.3064, 0.3280

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.5453, 0.2957, 0.3249 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(227, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 251, 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(227, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 92.5453, 0.2957, 0.3249 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(227, 251, 255) }
```

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

```
.border{ border-color:rgb(227, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 251,  
255) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 92.5453, 0.2957, 0.3249$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 251, 255) }
```

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

```
.background{ background-color: rgb(227,  
251, 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