

Converting Colors

$Yxy(93.0511, 0.2899, 0.3100)$

Have a look what the booklet for
Yxy(93.0511, 0.2899, 0.3100)
contains.

Yxy(92.4142, 0.2975, 0.3240)	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(92.4142, 0.2975, 0.3240)

Conversions

Conversions Part 1

Format	Color
Hex	E6FAFF
RGB	230, 250, 255
RGB Percent	90%, 98%, 100%
CMY	0.0982, 0.0195, 0.0001
CMYK	0.10, 0.02, 0.00, 0.00
HSL	192°, 100%, 95%
HSV	192°, 10%, 100%
XYZ	84.8556, 92.4142, 107.9592
YIQ	244.5900, -13.5250, -2.6850

Conversions

Conversions Part 2

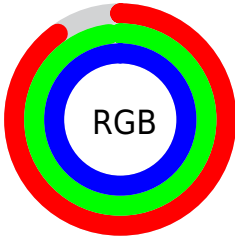
Format	Color
R _{YB}	230, 241, 255
Decimal	15137535
CIE Lab	96.99, -5.57, -4.62
CIE LCh	97, 7.242, 219.677
Yxy	92.4142, 0.2975, 0.3240
Android (android.graphics.Color)	4293327615 (0xFFE6FAFF)
YUV	244.5900, 5.1321, -12.7954
Hunter-Lab	96.1323, -10.6702, 0.7083

Details

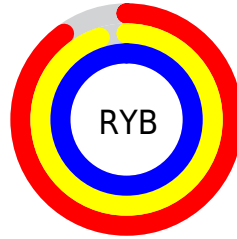
The Yxy color 92.4142, 0.2975, 0.3240 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.3398, 0.3295, 0.3339, and the grayscale version is 90.9268, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.6595, 0.2943, 0.3238 is the 20% darker color. If you saturate the color by 10%, you get 85.4021, 0.2823, 0.3184, and if you desaturate by 10%, it is 99.9990, 0.3127, 0.3290.

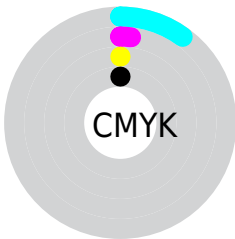
Distribution



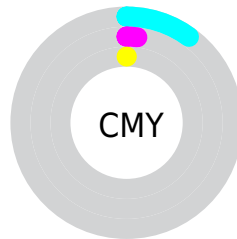
- Red (90%)
- Green (98%)
- Blue (100%)



- Red (90%)
- Yellow (95%)
- Blue (100%)



- Cyan (10%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (10%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4142, 0.2975, 0.3240 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 92.4142, 0.2975, 0.3240 by changing the saturation by 10% instead.


 92.4142, 0.2975,
0.3240

 92.4142, 0.2975,
0.3240

535.8533, 0.3042,
0.3263

 69.9847, 0.2960,
0.3235


150.6873, 0.2998,
0.3248

 51.5141, 0.2943,
0.3229


187.2998, 0.3007,
0.3251

 36.6179, 0.2921,
0.3221


229.4086, 0.3015,
0.3253

 24.9118, 0.2893,
0.3211

277.3983, 0.3021,
0.3256

 16.0113, 0.2856,
0.3198

331.6532, 0.3028,
0.3258

 9.5322, 0.2806,
0.3179

392.5578, 0.3033,

 5.0899, 0.2733,

0.3260

0.3152

460.4963, 0.3038,
0.3261

■ 2.3001, 0.2618,
0.3106

■ 0.7738, 0.2348,
0.3031

■ 92.4142, 0.2975,
0.3240

■ 92.4142, 0.2975,
0.3240

■ 85.4021, 0.2823,
0.3184

99.9990, 0.3127,
0.3290

■ 79.0602, 0.2677,
0.3124

■ 73.3629, 0.2541,
0.3059

■ 68.2787, 0.2417,
0.2990

■ 63.7728, 0.2309,
0.2919

■ 59.8067, 0.2219,
0.2847

■ 56.3361, 0.2148,
0.2773

■ 53.3087, 0.2097,
0.2700

■ 50.6409, 0.2064,
0.2628

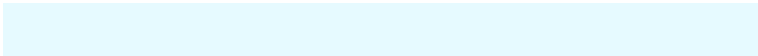
Harmonies

Analogous

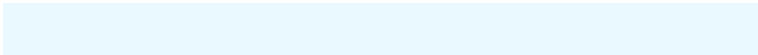
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4142, 0.3012, 0.3313



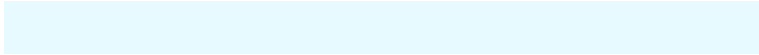
92.4142, 0.2975, 0.3240



92.4142, 0.2978, 0.3182

Triad

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



92.4142, 0.2975, 0.3240



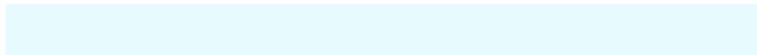
92.4142, 0.3173, 0.3203



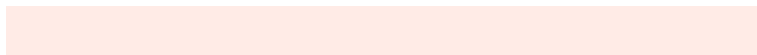
92.4142, 0.3234, 0.3428

Complementary

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



92.4142, 0.2975, 0.3240



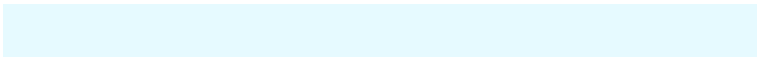
86.3398, 0.3295, 0.3339

Split Complementary

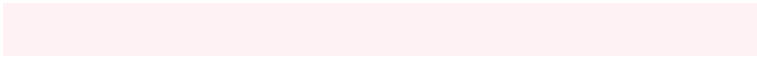
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4142, 0.3279, 0.3397



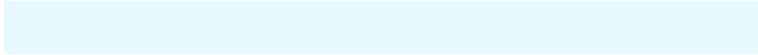
92.4142, 0.2975, 0.3240



92.4142, 0.3243, 0.3266

Square

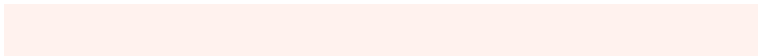
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.4142, 0.2975, 0.3240



92.4142, 0.3092, 0.3162



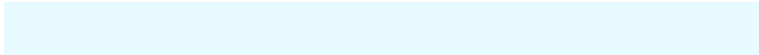
92.4142, 0.3282, 0.3337



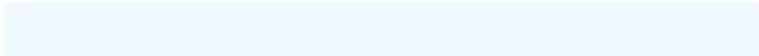
92.4142, 0.3161, 0.3423

Rectangle

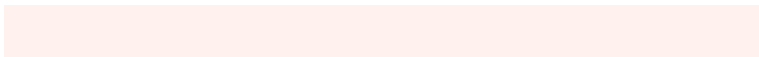
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



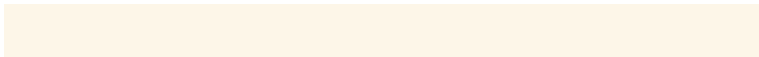
92.4142, 0.2975, 0.3240



92.4142, 0.3002, 0.3160



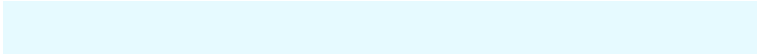
92.4142, 0.3282, 0.3337



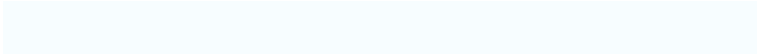
92.4142, 0.3253, 0.3422

Sweetspot

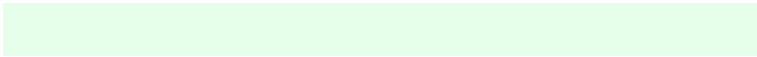
The Sweet Spot groups the original color and five complimentary colors.



92.4181, 0.2975, 0.3240



97.6133, 0.3081, 0.3275



94.2982, 0.3089, 0.3497



20.7591, 0.3068, 0.3271



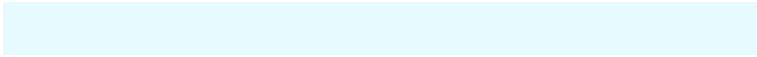
0.0000, 0.0000, 0.0000



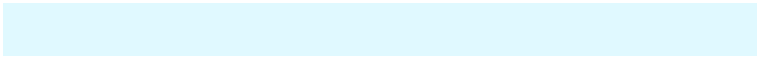
21.4041, 0.3127, 0.3290

Same Dimension

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



92.4181, 0.2975, 0.3240



90.8388, 0.2941, 0.3228



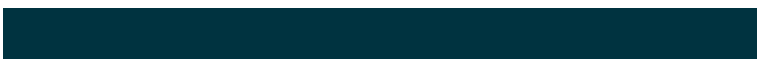
85.1151, 0.2974, 0.3117



19.8330, 0.2980, 0.3242



26.6554, 0.2066, 0.2639



2.7439, 0.2089, 0.2721

Inverse Universe

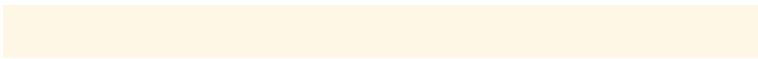
The Inverse Universe completely reimagines the original color for something new.



84.7297, 0.3170, 0.3095



81.6217, 0.3180, 0.3051



93.5257, 0.3282, 0.3457



18.2350, 0.3169, 0.3101



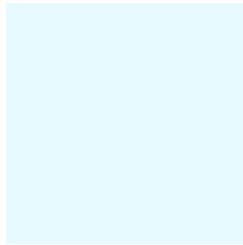
13.4188, 0.3786, 0.1860



1.3215, 0.3708, 0.1816

Previews

White Background



This preview shows how the Yxy color 92.4142, 0.2975, 0.3240 looks on a white background.

Color Contrast Check

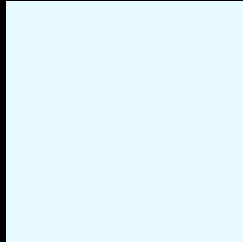
Large Text (above 18pt) WCAG AA × Fail

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 92.4142, 0.2975, 0.3240 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

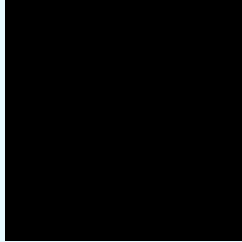
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

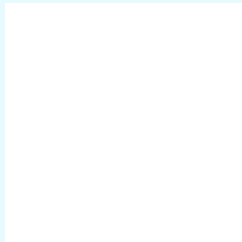
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 92.4142, 0.2975, 0.3240

Background



This preview shows how black text looks on a background with the Yxy color 92.4142, 0.2975, 0.3240.

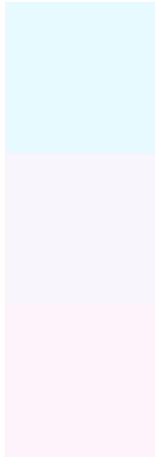


This preview shows how white text looks on a background with the Yxy color 92.4142, 0.2975, 0.3240.

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

92.4142, 0.2975, 0.3240

Protanopia

92.4728, 0.3111, 0.3222

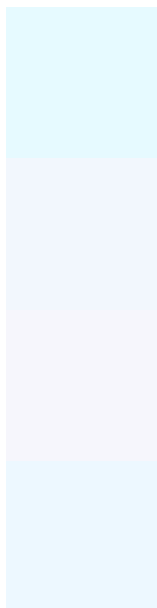
Deuteranopia

92.3262, 0.3157, 0.3213

Tritanopia

92.4423, 0.3043, 0.3211

Trichromacy



Original Color

92.4142, 0.2975, 0.3240

Protanomaly

92.4906, 0.3060, 0.3231

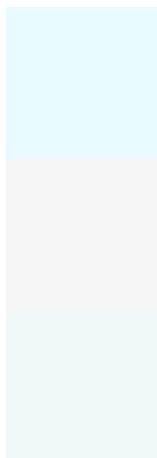
Deuteranomaly

92.5326, 0.3092, 0.3231

Tritanomaly

92.3593, 0.3018, 0.3221

Monochromacy



Original Color

92.4142, 0.2975, 0.3240

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.8863, 0.3071, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4142, 0.2975, 0.3240 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(230, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 250, 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(230, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 250, 255) }
```

Border

The CSS property to change the border of an element to Yxy 92.4142, 0.2975, 0.3240 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(230, 250, 255) }
```

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

```
.border{ border-color:rgb(230, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 250,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4142, 0.2975, 0.3240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 250, 255) }
```

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

```
.background{ background-color: rgb(230,  
250, 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