

Converting Colors

$Yxy(94.8506, 0.2809, 0.2976)$

Have a look what the booklet for
Yxy(94.8506, 0.2809, 0.2976)
contains.

Yxy(92.7083, 0.2963, 0.3250)	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(92.7083, 0.2963, 0.3250)

Conversions

Conversions Part 1

Format	Color
Hex	E4FBFF
RGB	228, 251, 255
RGB Percent	89%, 98%, 100%
CMY	0.1062, 0.0156, 0.0001
CMYK	0.11, 0.02, 0.00, 0.00
HSL	189°, 100%, 95%
HSV	189°, 11%, 100%
XYZ	84.5214, 92.7083, 108.0266
YIQ	244.5790, -14.9920, -3.6320

Conversions

Conversions Part 2

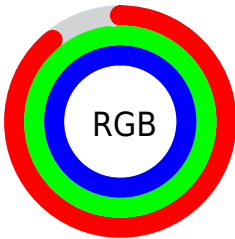
Format	Color
R _Y B	228, 240, 255
Decimal	15006719
CIE Lab	97.11, -6.72, -4.46
CIE LCh	97, 8.067, 213.553
Yxy	92.7083, 0.2963, 0.3250
Android (android.graphics.Color)	4293196799 (0xFFE4FBFF)
YUV	244.5790, 5.1376, -14.5398
Hunter-Lab	96.2851, -11.8074, 0.8795

Details

The Yxy color **92.7083, 0.2963, 0.3250** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **84.4975, 0.3312, 0.3330**, and the grayscale version is **90.9144, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.4314, 0.2927, 0.3238** is the 20% darker color. If you saturate the color by 10%, you get **86.5430, 0.2813, 0.3209**, and if you desaturate by 10%, it is **99.5421, 0.3118, 0.3288**.

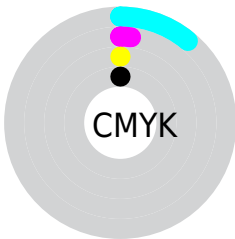
Distribution



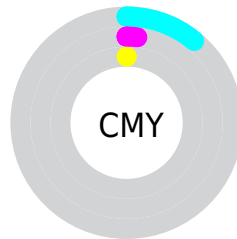
- Red (89%)
- Green (98%)
- Blue (100%)



- 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 92.7083, 0.2963, 0.3250 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 92.7083, 0.2963, 0.3250 by changing the saturation by 10% instead.


 92.7083, 0.2963,
0.3250

 92.7083, 0.2963,
0.3250

536.8020, 0.3035,
0.3268

 70.2291, 0.2947,
0.3246


151.0947, 0.2987,
0.3256

 51.7133, 0.2928,
0.3241


187.7707, 0.2997,
0.3259

 36.7766, 0.2904,
0.3235


229.9477, 0.3006,
0.3261

 25.0346, 0.2874,
0.3226

278.0101, 0.3013,
0.3263

 16.1028, 0.2835,
0.3215

332.3424, 0.3020,
0.3264

 9.5969, 0.2781,
0.3200

393.3288, 0.3025,

 5.1325, 0.2703,

0.3266

0.3177

461.3539, 0.3031,
0.3267

■ 2.3252, 0.2581,
0.3138

■ 0.7870, 0.2286,
0.3081

■ 92.7083, 0.2963,
0.3250

■ 92.7083, 0.2963,
0.3250

■ 86.5430, 0.2813,
0.3209

99.5421, 0.3118,
0.3288

■ 81.0073, 0.2671,
0.3164

99.9985, 0.3127,
0.3290

■ 76.0761, 0.2540,
0.3117

■ 71.7180, 0.2424,
0.3067

■ 67.8983, 0.2324,
0.3016

■ 64.5785, 0.2243,
0.2963

■ 61.7144, 0.2181,
0.2911

■ 59.2530, 0.2139,
0.2859

■ 57.2296, 0.2114,
0.2810

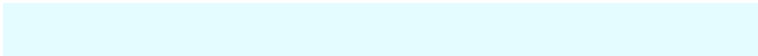
Harmonies

Analogous

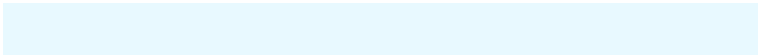
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7083, 0.3012, 0.3332



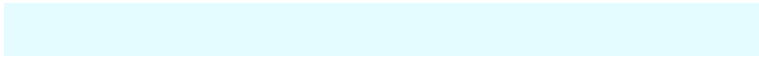
92.7083, 0.2963, 0.3250



92.7083, 0.2957, 0.3181

Triad

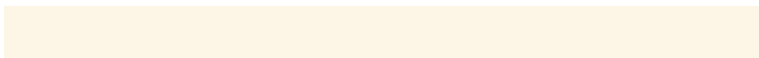
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



92.7083, 0.2963, 0.3250



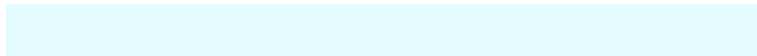
92.7083, 0.3160, 0.3181



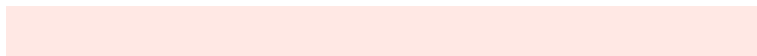
92.7083, 0.3260, 0.3440

Complementary

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



92.7083, 0.2963, 0.3250



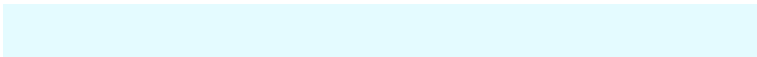
84.4975, 0.3312, 0.3330

Split Complementary

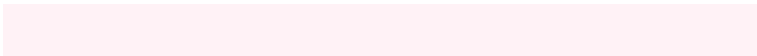
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.7083, 0.3300, 0.3397



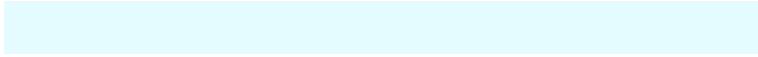
92.7083, 0.2963, 0.3250



92.7083, 0.3243, 0.3248

Square

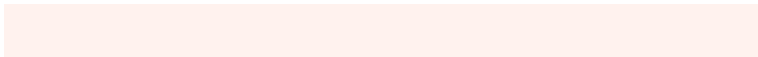
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7083, 0.2963, 0.3250



92.7083, 0.3070, 0.3143



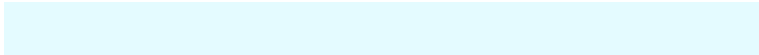
92.7083, 0.3294, 0.3326



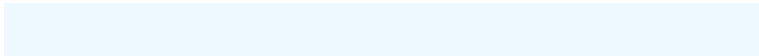
92.7083, 0.3183, 0.3443

Rectangle

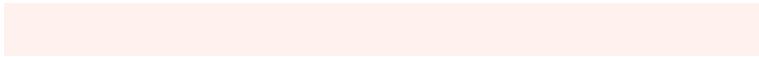
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.7083, 0.2963, 0.3250



92.7083, 0.2978, 0.3151



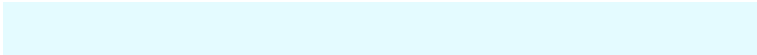
92.7083, 0.3294, 0.3326



92.7083, 0.3278, 0.3430

Sweetspot

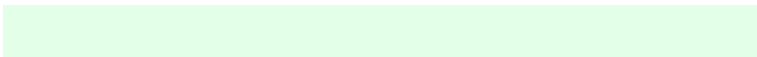
The Sweet Spot groups the original color and five complimentary colors.



92.7122, 0.2963, 0.3250



97.8672, 0.3080, 0.3279



93.7873, 0.3094, 0.3529



20.8278, 0.3068, 0.3276



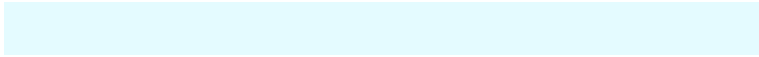
0.0000, 0.0000, 0.0000



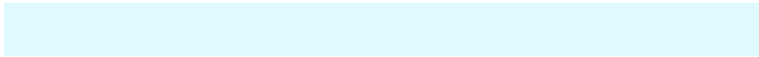
21.4041, 0.3127, 0.3290

Same Dimension

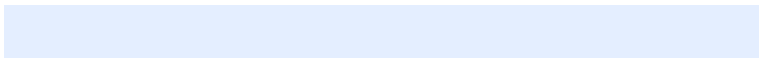
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7122, 0.2963, 0.3250



91.1963, 0.2927, 0.3240



84.7602, 0.2961, 0.3116



20.0027, 0.2980, 0.3254



30.0822, 0.2116, 0.2819



3.0469, 0.2133, 0.2878

Inverse Universe

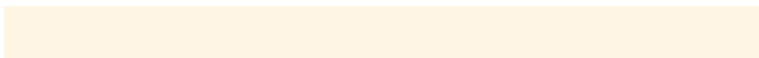
The Inverse Universe completely reimagines the original color for something new.



83.6697, 0.3165, 0.3066



80.3350, 0.3174, 0.3014



92.1936, 0.3297, 0.3458



18.2521, 0.3160, 0.3089



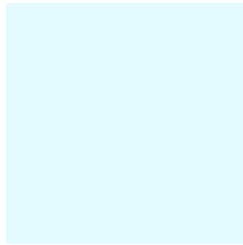
13.7648, 0.3617, 0.1766



1.3521, 0.3563, 0.1737

Previews

White Background



This preview shows how the Yxy color 92.7083, 0.2963, 0.3250 looks on a white background.

Color Contrast Check

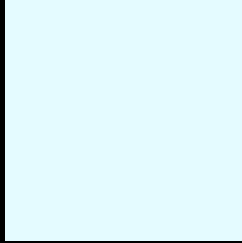
Large Text (above 18pt) WCAG AA × Fail

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 92.7083, 0.2963, 0.3250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

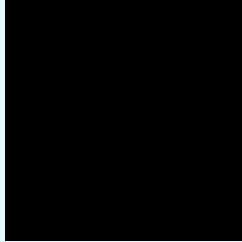
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7083, 0.2963, 0.3250

Background



This preview shows how black text looks on a background with the Yxy color 92.7083, 0.2963, 0.3250.

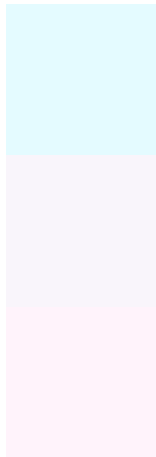


This preview shows how white text looks on a background with the Yxy color 92.7083, 0.2963, 0.3250.

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

92.7083, 0.2963, 0.3250

Protanopia

92.4096, 0.3117, 0.3232

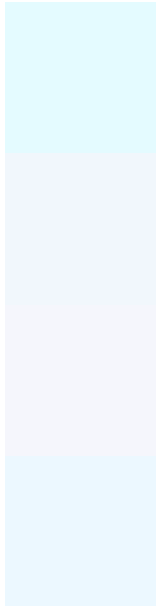
Deuteranopia

92.3262, 0.3157, 0.3213

Tritanopia

92.4423, 0.3043, 0.3211

Trichromacy



Original Color

92.7083, 0.2963, 0.3250

Protanomaly

92.2506, 0.3060, 0.3241

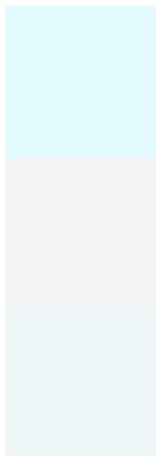
Deuteranomaly

92.3523, 0.3085, 0.3231

Tritanomaly

92.1877, 0.3012, 0.3220

Monochromacy



Original Color

92.7083, 0.2963, 0.3250

Achromatopsia

91.3099, 0.3127, 0.3290

Achromatomaly

91.7118, 0.3065, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7083, 0.2963, 0.3250 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(228, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 251, 255) }
```

Border

The CSS property to change the border of an element to Yxy 92.7083, 0.2963, 0.3250 is called "border". The border property can be set on classes, ids or directly on the HTML element.

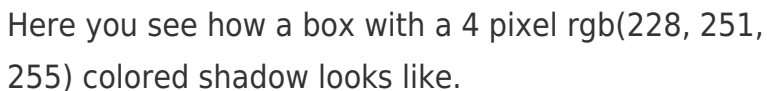
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(228, 251, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 251, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 251, 255); box-shadow:4px 4px 4px 4px rgb(228, 251, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7083, 0.2963, 0.3250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 251, 255) }
```

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

```
.background{ background-color: rgb(228,  
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