

Converting Colors

$Y_{xy}(91.2707, 0.2976, 0.3234)$

Have a look what the booklet for
Yxy(91.2707, 0.2976, 0.3234)
contains.

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Color

Yxy(90.9486, 0.2975, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	E5F8FE
RGB	229, 248, 254
RGB Percent	90%, 97%, 100%
CMY	0.1016, 0.0275, 0.0038
CMYK	0.10, 0.02, 0.00, 0.00
HSL	195°, 93%, 95%
HSV	195°, 10%, 100%
XYZ	83.7944, 90.9486, 106.9188
YIQ	243.0030, -13.2500, -2.1620

Conversions

Conversions Part 2

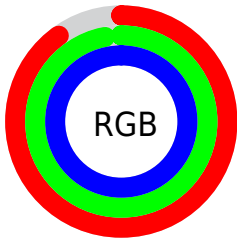
Format	Color
R_{YB}	229, 240, 254
Decimal	15071486
CIE _{Lab}	96.39, -5.00, -5.02
CIE _{LCh}	96, 7.083, 225.088
Yxy	90.9486, 0.2975, 0.3229
Android (android.graphics.Color)	4293261566 (0xFFE5F8FE)
YUV	243.0030, 5.4215, -12.2806
Hunter-Lab	95.3670, -10.0528, 0.2851

Details

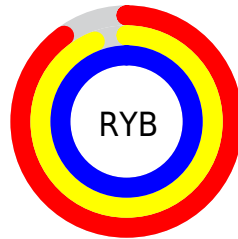
The Yxy color **90.9486, 0.2975, 0.3229** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.2318, 0.3294, 0.3350**, and the grayscale version is **89.6087, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6147, 0.2941, 0.3225** is the 20% darker color. If you saturate the color by 10%, you get **83.3495, 0.2822, 0.3161**, and if you desaturate by 10%, it is **99.2913, 0.3130, 0.3291**.

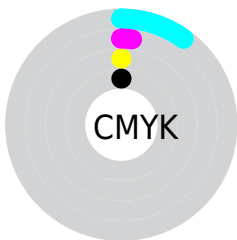
Distribution



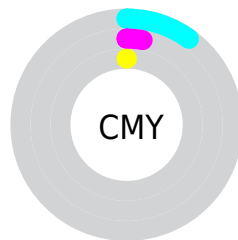
- Red (90%)
- Green (97%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



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




- Cyan (10%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.9486, 0.2975, 0.3229 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 90.9486, 0.2975, 0.3229 by changing the saturation by 10% instead.


 90.9486, 0.2975,
0.3229

 90.9486, 0.2975,
0.3229


531.1118, 0.3042,
0.3257

 68.7677, 0.2960,
0.3223


148.6553, 0.2998,
0.3238

 50.5225, 0.2942,
0.3215


184.9500, 0.3007,
0.3242

 35.8288, 0.2920,
0.3206


226.7179, 0.3015,
0.3245

 24.3020, 0.2892,
0.3194

274.3436, 0.3022,
0.3248

 15.5578, 0.2855,
0.3178

328.2115, 0.3028,
0.3251

 9.2118, 0.2804,
0.3155

388.7058, 0.3033,

 4.8796, 0.2730,

0.3253

0.3122

456.2112, 0.3038,
0.3255

■ 2.1768, 0.2612,
0.3066

■ 0.7073, 0.2305,
0.2963

■ 90.9486, 0.2975,
0.3229

■ 90.9486, 0.2975,
0.3229

■ 83.3495, 0.2822,
0.3161

99.2913, 0.3130,
0.3291

■ 76.4550, 0.2673,
0.3086

99.9370, 0.3133,
0.3299

■ 70.2393, 0.2533,
0.3006

■ 64.6705, 0.2404,
0.2922

■ 59.7136, 0.2289,
0.2834

■ 55.3298, 0.2193,
0.2743

■ 51.4748, 0.2116,
0.2652

■ 48.0961, 0.2059,
0.2561

■ 45.1101, 0.2020,
0.2471

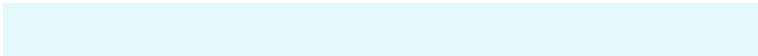
Harmonies

Analogous

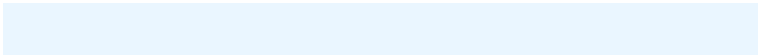
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.9486, 0.3005, 0.3299



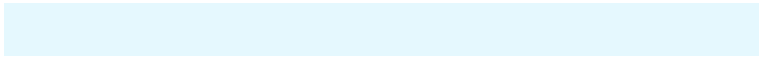
90.9486, 0.2975, 0.3229



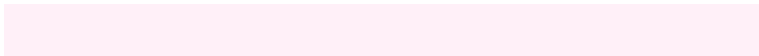
90.9486, 0.2985, 0.3177

Triad

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



90.9486, 0.2975, 0.3229



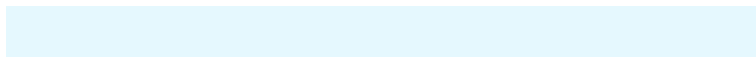
90.9486, 0.3186, 0.3214



90.9486, 0.3221, 0.3428

Complementary

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



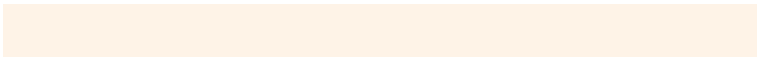
90.9486, 0.2975, 0.3229



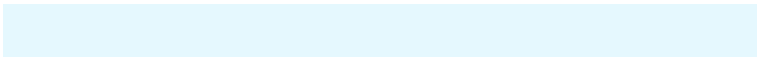
86.2318, 0.3294, 0.3350

Split Complementary

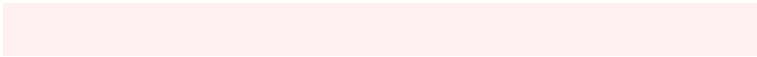
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.9486, 0.3271, 0.3403



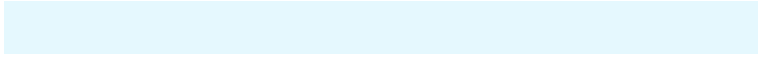
90.9486, 0.2975, 0.3229



90.9486, 0.3251, 0.3279

Square

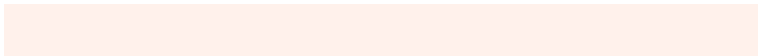
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.9486, 0.2975, 0.3229



90.9486, 0.3107, 0.3169



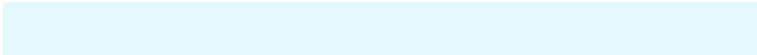
90.9486, 0.3282, 0.3348



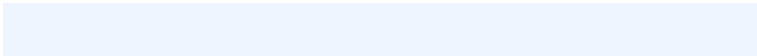
90.9486, 0.3146, 0.3415

Rectangle

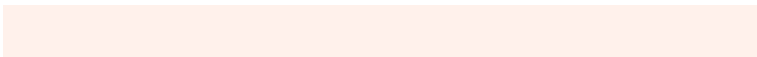
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.9486, 0.2975, 0.3229



90.9486, 0.3014, 0.3158



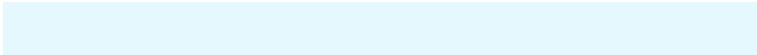
90.9486, 0.3282, 0.3348



90.9486, 0.3241, 0.3424

Sweetspot

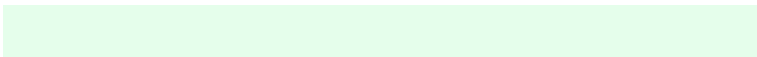
The Sweet Spot groups the original color and five complimentary colors.



90.9524, 0.2975, 0.3229



97.4006, 0.3081, 0.3272



93.5625, 0.3082, 0.3484



20.7015, 0.3068, 0.3267



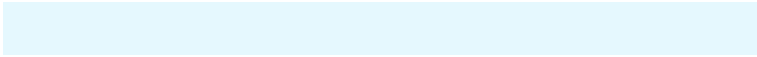
0.0000, 0.0000, 0.0000



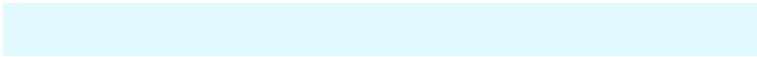
21.4041, 0.3127, 0.3290

Same Dimension

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



90.9524, 0.2975, 0.3229



90.0104, 0.2941, 0.3215



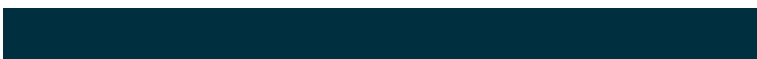
83.6734, 0.2974, 0.3104



19.6915, 0.2980, 0.3231



23.9922, 0.2024, 0.2484



2.5058, 0.2052, 0.2587

Inverse Universe

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



83.9422, 0.3177, 0.3106



81.5381, 0.3189, 0.3064



93.4867, 0.3281, 0.3469



18.2207, 0.3175, 0.3112



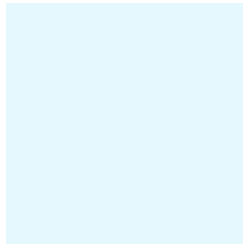
13.1500, 0.3938, 0.1943



1.2975, 0.3837, 0.1887

Previews

White Background



This preview shows how the Yxy color 90.9486, 0.2975, 0.3229 looks on a white background.

Color Contrast Check

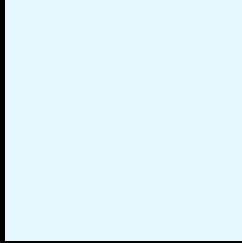
Large Text (above 18pt) WCAG AA × Fail

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 90.9486, 0.2975, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

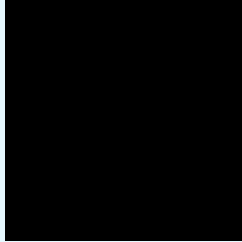
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

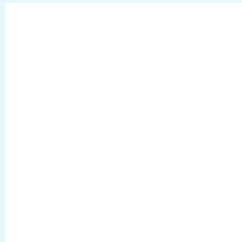
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.9486, 0.2975, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 90.9486, 0.2975, 0.3229.

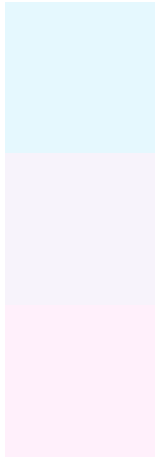


This preview shows how white text looks on a background with the Yxy color 90.9486, 0.2975, 0.3229.

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

90.9486, 0.2975, 0.3229

Protanopia

90.8404, 0.3105, 0.3212

Deuteranopia

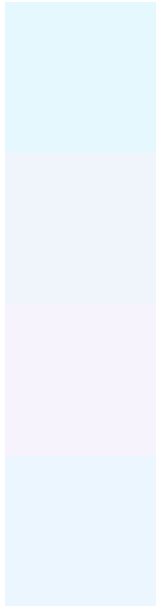
90.5452, 0.3158, 0.3184



Tritanopia

90.7020, 0.3024, 0.3191

Trichromacy



Original Color

90.9486, 0.2975, 0.3229

Protanomaly

90.8584, 0.3054, 0.3221

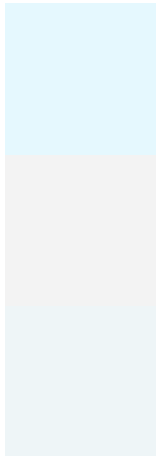
Deuteranomaly

90.7223, 0.3093, 0.3202

Tritanomaly

90.7937, 0.3006, 0.3200

Monochromacy



Original Color

90.9486, 0.2975, 0.3229

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.1974, 0.3071, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.9486, 0.2975, 0.3229 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(229, 248, 254)` looks like.

```
.text, #text, p{  
    color:rgb(229, 248, 254)  
}
```

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(229, 248, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 248, 254) }
```

Border

The CSS property to change the border of an element to Yxy 90.9486, 0.2975, 0.3229 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(229, 248, 254) }
```

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

```
.border{ border-color:rgb(229, 248, 254) }
```

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

Here you see how a box with a 4 pixel rgb(229, 248, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 248, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 248, 254);  
box-shadow:4px 4px 4px 4px rgb(229, 248,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 90.9486, 0.2975, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 248, 254) }
```

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

```
.background{ background-color: rgb(229,  
248, 254) }
```

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](#).

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