

Converting Colors

$Yxy(91.1859, 0.2888, 0.3128)$

Have a look what the booklet for
Yxy(91.1859, 0.2888, 0.3128)
contains.

Yxy(90.2021, 0.2939, 0.3219)	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(90.2021, 0.2939, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	E0F8FF
RGB	224, 248, 255
RGB Percent	88%, 97%, 100%
CMY	0.1215, 0.0274, 0.0001
CMYK	0.12, 0.03, 0.00, 0.00
HSL	194°, 100%, 94%
HSV	194°, 12%, 100%
XYZ	82.3560, 90.2021, 107.6597
YIQ	241.6220, -16.5510, -2.9110

Conversions

Conversions Part 2

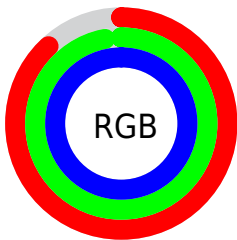
Format	Color
R _Y B	224, 238, 255
Decimal	14743807
CIE _{Lab}	96.08, -6.43, -6.01
CIE _{LCh}	96, 8.799, 223.043
Yxy	90.2021, 0.2939, 0.3219
Android (android.graphics.Color)	4292933887 (0xFFE0F8FF)
YUV	241.6220, 6.5954, -15.4545
Hunter-Lab	94.9748, -11.4222, -0.7265

Details

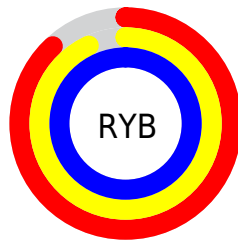
The Yxy color **90.2021, 0.2939, 0.3219** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.7789, 0.3339, 0.3360**, and the grayscale version is **88.4378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2115, 0.2904, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **82.9563, 0.2787, 0.3154**, and if you desaturate by 10%, it is **98.1746, 0.3094, 0.3278**.

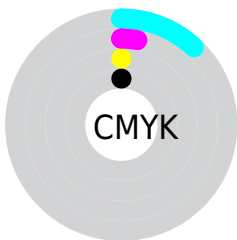
Distribution



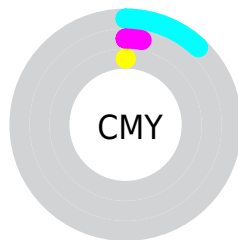
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)




- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2021, 0.2939, 0.3219 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 90.2021, 0.2939, 0.3219 by changing the saturation by 10% instead.


 90.2021, 0.2939,
0.3219

 90.2021, 0.2939,
0.3219


528.6881, 0.3022,
0.3251

 68.1483, 0.2921,
0.3212


147.6191, 0.2967,
0.3230

 50.0184, 0.2899,
0.3203


183.7510, 0.2978,
0.3234

 35.4280, 0.2871,
0.3192


225.3445, 0.2988,
0.3238

 23.9928, 0.2836,
0.3178

272.7838, 0.2997,
0.3241

 15.3282, 0.2791,
0.3158

326.4535, 0.3004,
0.3244

 9.0501, 0.2728,
0.3132

386.7378, 0.3011,

 4.7739, 0.2636,

0.3247

0.3091

454.0212, 0.3017,
0.3249

■ 2.1152, 0.2491,
0.3024

■ 0.6732, 0.2080,
0.2900

■ 90.2021, 0.2939,
0.3219

■ 90.2021, 0.2939,
0.3219

■ 82.9563, 0.2787,
0.3154

■ 98.1746, 0.3094,
0.3278

■ 76.3979, 0.2641,
0.3084

99.9987, 0.3127,
0.3290

■ 70.5005, 0.2505,
0.3009

■ 65.2315, 0.2381,
0.2930

■ 60.5550, 0.2273,
0.2848

■ 56.4310, 0.2184,
0.2764

■ 52.8134, 0.2114,
0.2680

■ 49.6469, 0.2064,
0.2596

■ 47.4121, 0.2037,
0.2532

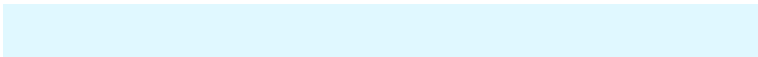
Harmonies

Analogous

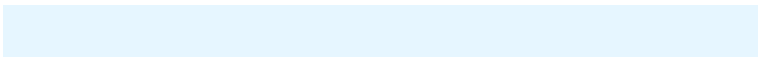
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2021, 0.2979, 0.3307



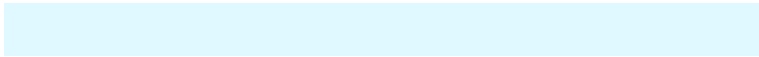
90.2021, 0.2939, 0.3219



90.2021, 0.2948, 0.3152

Triad

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



90.2021, 0.2939, 0.3219



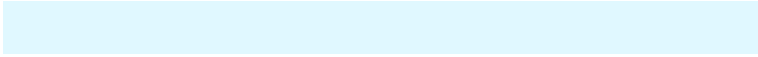
90.2021, 0.3194, 0.3191



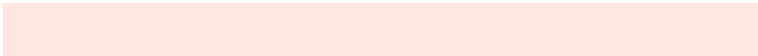
90.2021, 0.3249, 0.3461

Complementary

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



90.2021, 0.2939, 0.3219



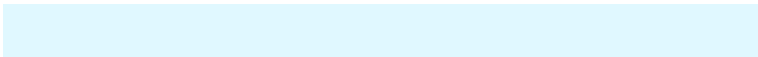
83.7789, 0.3339, 0.3360

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.



90.2021, 0.3309, 0.3427



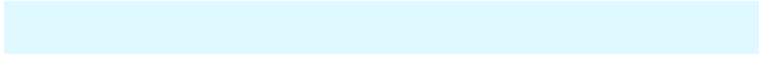
90.2021, 0.2939, 0.3219



90.2021, 0.3277, 0.3271

Square

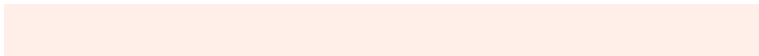
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2021, 0.2939, 0.3219



90.2021, 0.3094, 0.3137



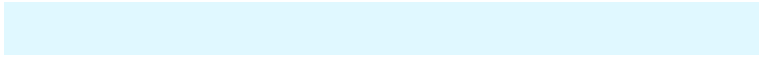
90.2021, 0.3319, 0.3356



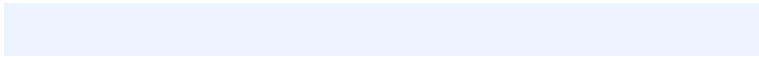
90.2021, 0.3158, 0.3449

Rectangle

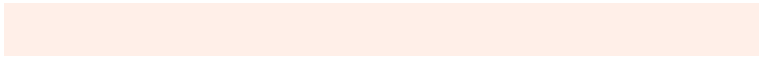
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.2021, 0.2939, 0.3219



90.2021, 0.2981, 0.3127



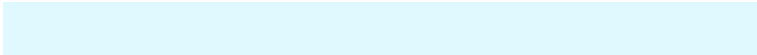
90.2021, 0.3319, 0.3356



90.2021, 0.3274, 0.3455

Sweetspot

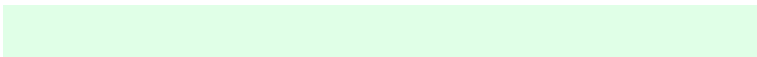
The Sweet Spot groups the original color and five complimentary colors.



90.2059, 0.2939, 0.3219



96.6600, 0.3065, 0.3268



93.1092, 0.3074, 0.3539



20.5576, 0.3053, 0.3263



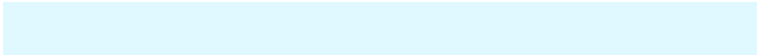
0.0000, 0.0000, 0.0000



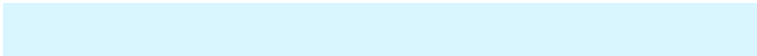
21.4041, 0.3127, 0.3290

Same Dimension

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



90.2059, 0.2939, 0.3219



88.0815, 0.2895, 0.3201



81.2216, 0.2936, 0.3062



19.7469, 0.2980, 0.3235



25.0126, 0.2040, 0.2545



2.5973, 0.2067, 0.2640

Inverse Universe

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



81.3486, 0.3187, 0.3056



77.4346, 0.3202, 0.2999



92.6742, 0.3320, 0.3508



18.2263, 0.3173, 0.3108



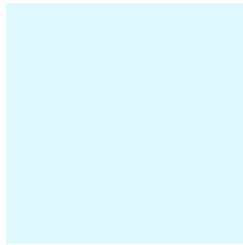
13.2530, 0.3877, 0.1910



1.3067, 0.3785, 0.1859

Previews

White Background



This preview shows how the Yxy color 90.2021, 0.2939, 0.3219 looks on a white background.

Color Contrast Check

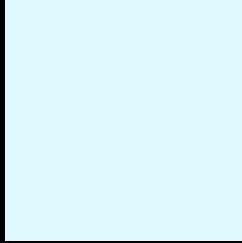
Large Text (above 18pt) WCAG AA × Fail

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 90.2021, 0.2939, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

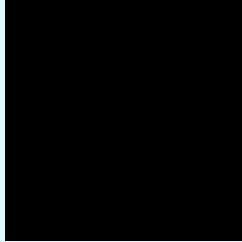
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

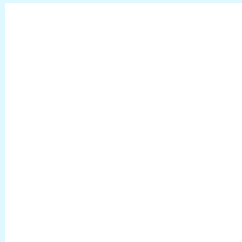
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2021, 0.2939, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 90.2021, 0.2939, 0.3219.

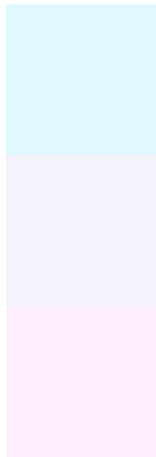


This preview shows how white text looks on a background with the Yxy color 90.2021, 0.2939, 0.3219.

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

90.2021, 0.2939, 0.3219

Protanopia

89.8818, 0.3093, 0.3202

Deuteranopia

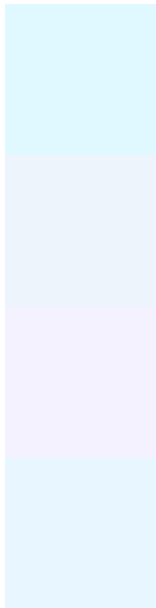
90.0849, 0.3147, 0.3155



Tritanopia

90.1870, 0.3006, 0.3190

Trichromacy



Original Color

90.2021, 0.2939, 0.3219

Protanomaly

89.7342, 0.3035, 0.3210

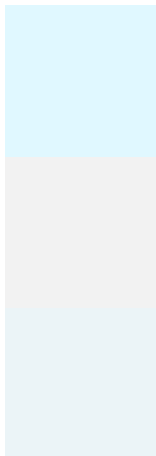
Deuteranomaly

89.8931, 0.3068, 0.3172

Tritanomaly

90.1205, 0.2981, 0.3200

Monochromacy



Original Color

90.2021, 0.2939, 0.3219

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.0789, 0.3052, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2021, 0.2939, 0.3219 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(224, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 248, 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(224, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.2021, 0.2939, 0.3219 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(224, 248, 255) }
```

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

```
.border{ border-color:rgb(224, 248, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2021, 0.2939, 0.3219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 248, 255) }
```

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

```
.background{ background-color: rgb(224,  
248, 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