

Converting Colors

$Yxy(90.6663, 0.2965, 0.3219)$

Have a look what the booklet for
Yxy(90.6663, 0.2965, 0.3219)
contains.

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Color

Yxy(90.8488, 0.2963, 0.3219)

Conversions

Conversions Part 1

Format	Color
Hex	E4F8FF
RGB	228, 248, 255
RGB Percent	89%, 97%, 100%
CMY	0.1057, 0.0275, 0.0000
CMYK	0.11, 0.03, 0.00, 0.00
HSL	196°, 100%, 95%
HSV	196°, 11%, 100%
XYZ	83.6238, 90.8488, 107.7542
YIQ	242.8180, -14.1670, -2.0630

Conversions

Conversions Part 2

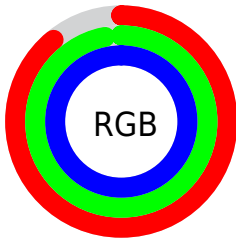
Format	Color
R_{YB}	228, 239, 255
Decimal	15005951
CIE _{Lab}	96.35, -5.15, -5.60
CIE _{LCh}	96, 7.610, 227.419
Yxy	90.8488, 0.2963, 0.3219
Android (android.graphics.Color)	4293196031 (0xFFE4F8FF)
YUV	242.8180, 6.0057, -12.9954
Hunter-Lab	95.3146, -10.1946, -0.3077

Details

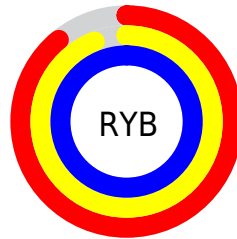
The Yxy color **90.8488, 0.2963, 0.3219** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.3064, 0.3308, 0.3360**, and the grayscale version is **89.4411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.5471, 0.2927, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **82.9796, 0.2809, 0.3145**, and if you desaturate by 10%, it is **99.4820, 0.3118, 0.3286**.

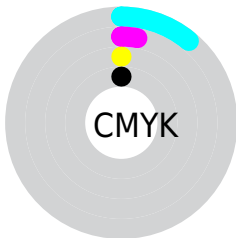
Distribution



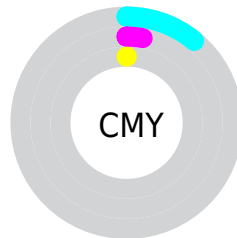
- Red (89%)
- Green (97%)
- Blue (100%)



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



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (11%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8488, 0.2963, 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 90.8488, 0.2963, 0.3219 by changing the saturation by 10% instead.


 90.8488, 0.2963,
0.3219

 90.8488, 0.2963,
0.3219


530.7881, 0.3036,
0.3251

 68.6849, 0.2947,
0.3212


148.5169, 0.2988,
0.3230

 50.4551, 0.2928,
0.3203


184.7897, 0.2997,
0.3234

 35.7751, 0.2904,
0.3192


226.5344, 0.3006,
0.3238

 24.2606, 0.2874,
0.3178

274.1352, 0.3013,
0.3241

 15.5270, 0.2834,
0.3160

327.9766, 0.3020,
0.3244

 9.1901, 0.2779,
0.3133

388.4430, 0.3026,

 4.8654, 0.2699,

0.3247

0.3095

455.9187, 0.3031,
0.3249

■ 2.1685, 0.2573,
0.3030

■ 0.7027, 0.2245,
0.2910

■ 90.8488, 0.2963,
0.3219

■ 90.8488, 0.2963,
0.3219

■ 82.9796, 0.2809,
0.3145

99.4820, 0.3118,
0.3286

■ 75.8393, 0.2660,
0.3065

100.0000, 0.3127,
0.3290

■ 69.3998, 0.2519,
0.2979

■ 63.6283, 0.2389,
0.2887

■ 58.4891, 0.2273,
0.2792

■ 53.9423, 0.2176,
0.2694

■ 49.9423, 0.2098,
0.2595

■ 46.4350, 0.2040,
0.2497

■ 43.4994, 0.2002,
0.2406

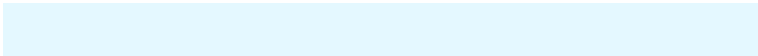
Harmonies

Analogous

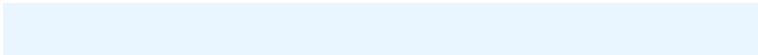
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8488, 0.2992, 0.3294



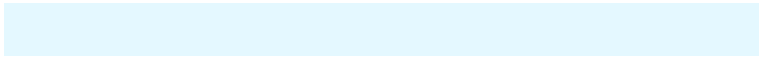
90.8488, 0.2963, 0.3219



90.8488, 0.2977, 0.3165

Triad

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



90.8488, 0.2963, 0.3219



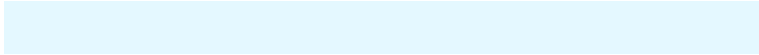
90.8488, 0.3197, 0.3213



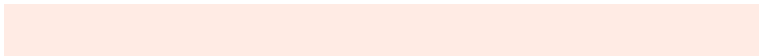
90.8488, 0.3223, 0.3439

Complementary

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



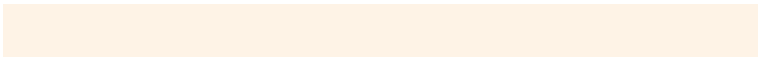
90.8488, 0.2963, 0.3219



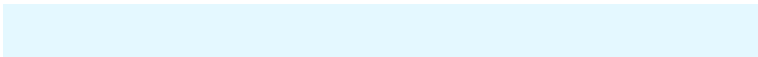
86.3064, 0.3308, 0.3360

Split Complementary

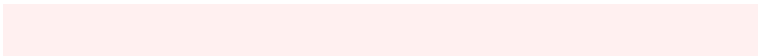
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8488, 0.3279, 0.3415



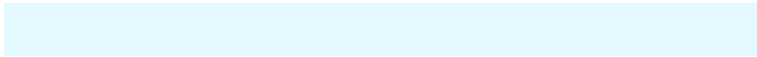
90.8488, 0.2963, 0.3219



90.8488, 0.3264, 0.3284

Square

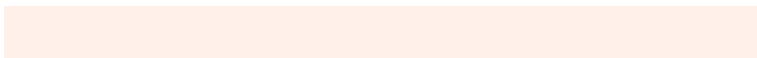
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



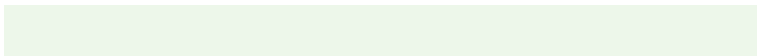
90.8488, 0.2963, 0.3219



90.8488, 0.3112, 0.3163



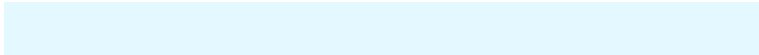
90.8488, 0.3294, 0.3358



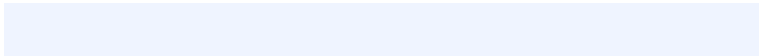
90.8488, 0.3141, 0.3422

Rectangle

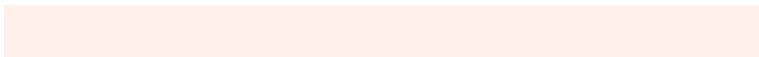
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



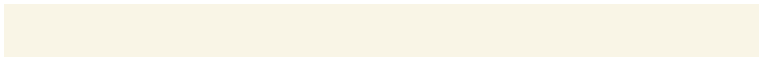
90.8488, 0.2963, 0.3219



90.8488, 0.3010, 0.3147



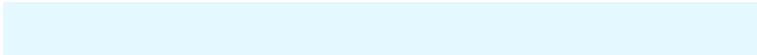
90.8488, 0.3294, 0.3358



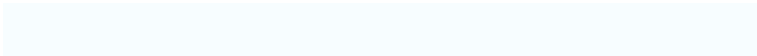
90.8488, 0.3245, 0.3435

Sweetspot

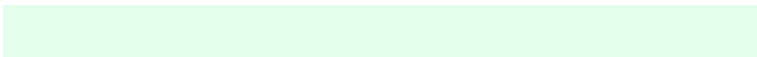
The Sweet Spot groups the original color and five complimentary colors.



90.8511, 0.2963, 0.3219



97.3159, 0.3081, 0.3271



94.0058, 0.3076, 0.3495



20.6786, 0.3068, 0.3265



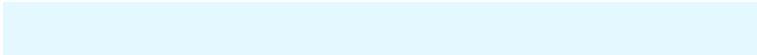
0.0000, 0.0000, 0.0000



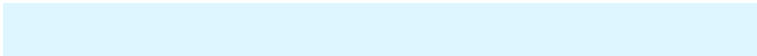
21.4041, 0.3127, 0.3290

Same Dimension

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



90.8511, 0.2963, 0.3219



88.8719, 0.2926, 0.3202



83.0107, 0.2961, 0.3084



19.6354, 0.2980, 0.3227



22.9844, 0.2006, 0.2422



2.4150, 0.2037, 0.2533

Inverse Universe

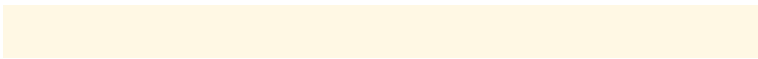
The Inverse Universe completely reimagines the original color for something new.



83.5452, 0.3184, 0.3096



80.1004, 0.3199, 0.3050



94.1582, 0.3293, 0.3488



18.2150, 0.3178, 0.3116



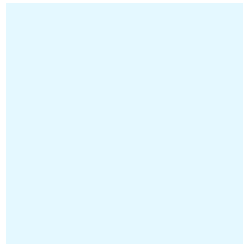
13.0482, 0.4000, 0.1977



1.2883, 0.3890, 0.1916

Previews

White Background



This preview shows how the Yxy color 90.8488, 0.2963, 0.3219 looks on a white background.

Color Contrast Check

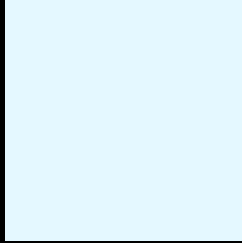
Large Text (above 18pt) WCAG AA × Fail

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 90.8488, 0.2963, 0.3219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

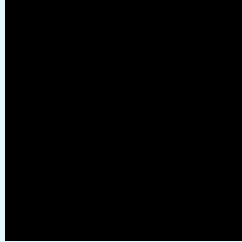
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

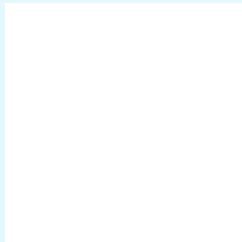
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8488, 0.2963, 0.3219

Background



This preview shows how black text looks on a background with the Yxy color 90.8488, 0.2963, 0.3219.

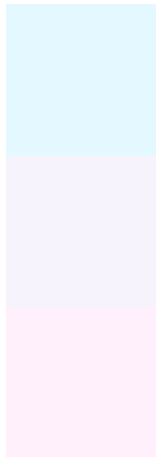


This preview shows how white text looks on a background with the Yxy color 90.8488, 0.2963, 0.3219.

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

90.8488, 0.2963, 0.3219

Protanopia

90.7223, 0.3093, 0.3202

Deuteranopia

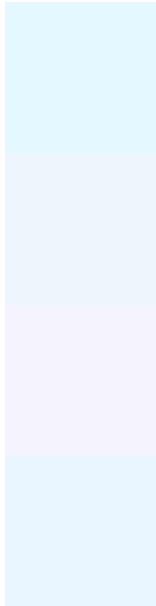
90.6085, 0.3152, 0.3175



Tritanopia

90.5293, 0.3018, 0.3191

Trichromacy



Original Color

90.8488, 0.2963, 0.3219

Protanomaly

90.7474, 0.3042, 0.3211

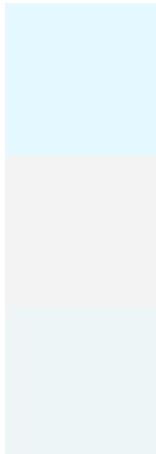
Deuteranomaly

90.6055, 0.3080, 0.3192

Tritanomaly

90.6240, 0.2999, 0.3200

Monochromacy



Original Color

90.8488, 0.2963, 0.3219

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 90.8488, 0.2963, 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(228, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(228, 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(228, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 248, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.8488, 0.2963, 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(228, 248, 255) }
```

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

```
.border{ border-color:rgb(228, 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(228, 248, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(228, 248,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8488, 0.2963, 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(228, 248, 255) }
```

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

```
.background{ background-color: rgb(228,  
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](#).

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