

Converting Colors

Yxy(91.8364, 0.2874, 0.3046)

Have a look what the booklet for
Yxy(91.8364, 0.2874, 0.3046)
contains.

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Color

Yxy(90.3995, 0.2969, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	E5F7FF
RGB	229, 247, 255
RGB Percent	90%, 97%, 100%
CMY	0.1018, 0.0314, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	199°, 100%, 95%
HSV	199°, 10%, 100%
XYZ	83.6386, 90.3995, 107.6681
YIQ	242.5300, -13.2960, -1.3280

Conversions

Conversions Part 2

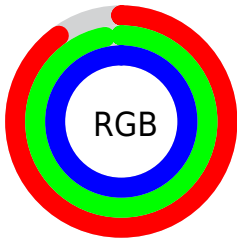
Format	Color
R _Y B	229, 240, 255
Decimal	15071231
CIE Lab	96.16, -4.32, -5.87
CIE LCh	96, 7.289, 233.642
Yxy	90.3995, 0.2969, 0.3209
Android (android.graphics.Color)	4293261311 (0xFFE5F7FF)
YUV	242.5300, 6.1477, -11.8658
Hunter-Lab	95.0787, -9.3652, -0.5856

Details

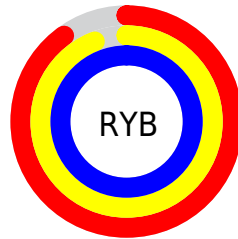
The Yxy color 90.3995, 0.2969, 0.3209 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.5243, 0.3299, 0.3369, and the grayscale version is 89.2002, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.2231, 0.2934, 0.3199 is the 20% darker color. If you saturate the color by 10%, you get 81.7960, 0.2814, 0.3122, and if you desaturate by 10%, it is 99.8267, 0.3124, 0.3289.

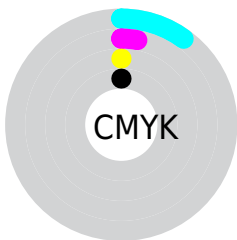
Distribution



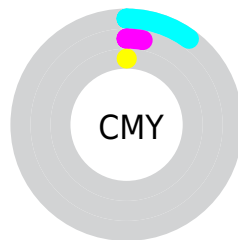
- Red (90%)
- Green (97%)
- Blue (100%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.3995, 0.2969, 0.3209 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 90.3995, 0.2969, 0.3209 by changing the saturation by 10% instead.


 90.3995, 0.2969,
0.3209

 90.3995, 0.2969,
0.3209


529.3296, 0.3039,
0.3246

 68.3120, 0.2954,
0.3201

147.8932, 0.2993,
0.3221

 50.1516, 0.2935,
0.3191


184.0682, 0.3002,
0.3226

 35.5339, 0.2912,
0.3179


225.7079, 0.3010,
0.3231

 24.0744, 0.2883,
0.3163

273.1966, 0.3017,
0.3234

 15.3888, 0.2844,
0.3142

326.9187, 0.3024,
0.3238

 9.0927, 0.2791,
0.3112

387.2586, 0.3029,

 4.8017, 0.2714,

0.3241

0.3069

454.6008, 0.3035,
0.3243

■ 2.1314, 0.2590,
0.2997

■ 0.6822, 0.2271,
0.2853

■ 90.3995, 0.2969,
0.3209

■ 90.3995, 0.2969,
0.3209

■ 81.7960, 0.2814,
0.3122

99.8267, 0.3124,
0.3289

■ 73.9806, 0.2661,
0.3026

100.0000, 0.3127,
0.3290

■ 66.9241, 0.2515,
0.2922

■ 60.5929, 0.2378,
0.2813

■ 54.9502, 0.2256,
0.2698

■ 49.9552, 0.2150,
0.2580

■ 45.5615, 0.2064,
0.2461

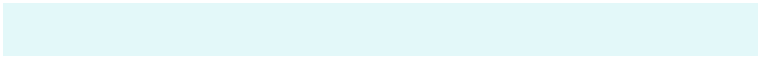
■ 41.7142, 0.1999,
0.2342

■ 38.3808, 0.1952,
0.2228

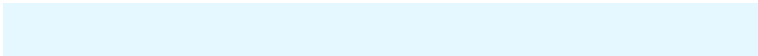
Harmonies

Analogous

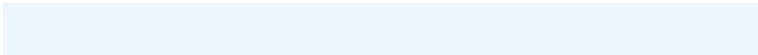
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3995, 0.2988, 0.3278



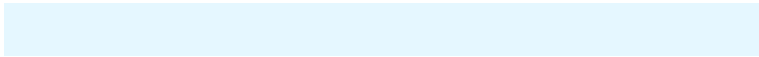
90.3995, 0.2969, 0.3209



90.3995, 0.2991, 0.3163

Triad

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



90.3995, 0.2969, 0.3209



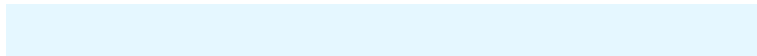
90.3995, 0.3210, 0.3230



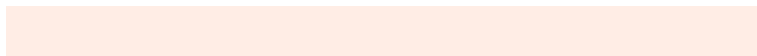
90.3995, 0.3204, 0.3433

Complementary

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



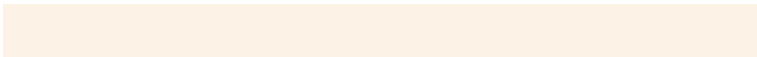
90.3995, 0.2969, 0.3209



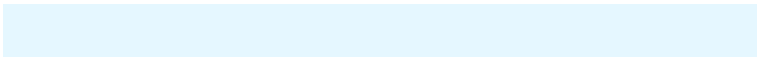
87.5243, 0.3299, 0.3369

Split Complementary

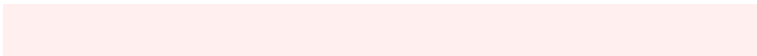
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.3995, 0.3264, 0.3417



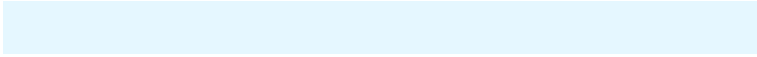
90.3995, 0.2969, 0.3209



90.3995, 0.3268, 0.3300

Square

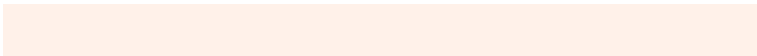
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3995, 0.2969, 0.3209



90.3995, 0.3130, 0.3176



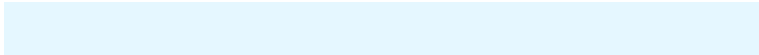
90.3995, 0.3288, 0.3368



90.3995, 0.3123, 0.3409

Rectangle

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



90.3995, 0.2969, 0.3209



90.3995, 0.3027, 0.3151



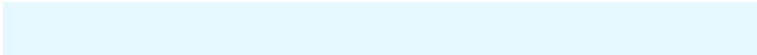
90.3995, 0.3288, 0.3368



90.3995, 0.3227, 0.3432

Sweetspot

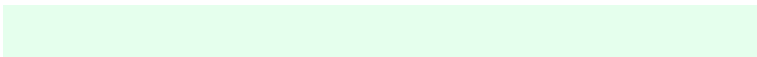
The Sweet Spot groups the original color and five complimentary colors.



90.4017, 0.2969, 0.3209



97.0803, 0.3081, 0.3267



94.2913, 0.3071, 0.3474



20.6149, 0.3068, 0.3261



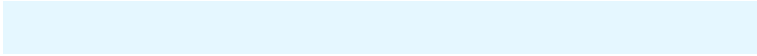
0.0000, 0.0000, 0.0000



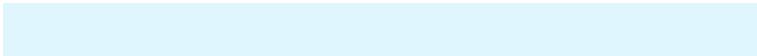
21.4041, 0.3127, 0.3290

Same Dimension

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



90.4017, 0.2969, 0.3209



88.7716, 0.2941, 0.3194



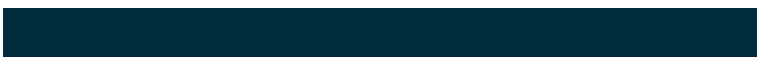
82.8696, 0.2968, 0.3079



19.4796, 0.2980, 0.3215



20.3323, 0.1958, 0.2247



2.1739, 0.1995, 0.2380

Inverse Universe

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



84.0419, 0.3190, 0.3115



81.4130, 0.3203, 0.3083



95.1734, 0.3285, 0.3492



18.1993, 0.3186, 0.3127



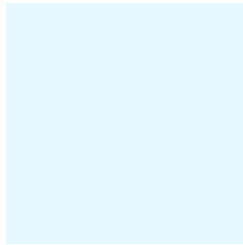
12.7805, 0.4182, 0.2077



1.2640, 0.4043, 0.2001

Previews

White Background



This preview shows how the Yxy color 90.3995, 0.2969, 0.3209 looks on a white background.

Color Contrast Check

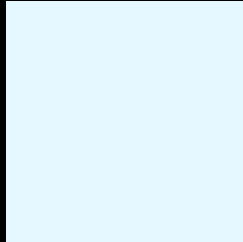
Large Text (above 18pt) WCAG AA × Fail

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 90.3995, 0.2969, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

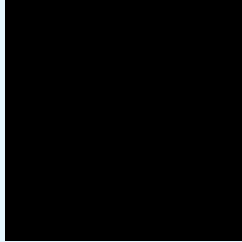
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

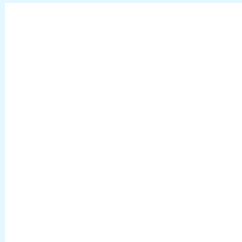
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.3995, 0.2969, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 90.3995, 0.2969, 0.3209.



This preview shows how white text looks on a background with the Yxy color 90.3995, 0.2969, 0.3209.

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

90.3995, 0.2969, 0.3209

Protanopia

89.9450, 0.3087, 0.3192

Deuteranopia

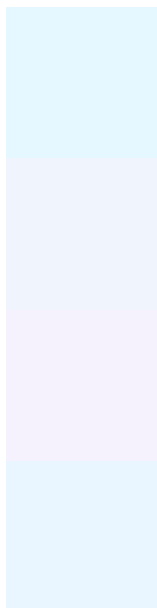
90.0213, 0.3153, 0.3165



Tritanopia

90.5293, 0.3018, 0.3191

Trichromacy



Original Color

90.3995, 0.2969, 0.3209

Protanomaly

90.1439, 0.3042, 0.3201

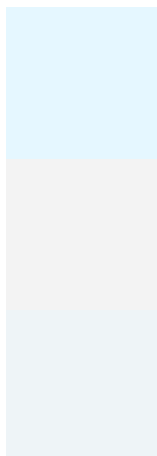
Deuteranomaly

90.1889, 0.3087, 0.3182

Tritanomaly

90.6240, 0.2999, 0.3200

Monochromacy



Original Color

90.3995, 0.2969, 0.3209

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5939, 0.3071, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.3995, 0.2969, 0.3209 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 247, 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(229, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 90.3995, 0.2969, 0.3209 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, 247, 255) }
```

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

```
.border{ border-color:rgb(229, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(229, 247,  
255) }
```


Background

The CSS property to change the background color of an element to `rgb(90.3995, 0.2969, 0.3209)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 247, 255) }
```

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

```
.background{ background-color: rgb(229,  
247, 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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