

Converting Colors

Yxy(93.6256, 0.2636, 0.2596)

Have a look what the booklet for
Yxy(93.6256, 0.2636, 0.2596)
contains.

Yxy(88.5794, 0.2968, 0.3179)	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(88.5794, 0.2968, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	E5F4FF
RGB	229, 244, 255
RGB Percent	90%, 96%, 100%
CMY	0.1022, 0.0431, 0.0000
CMYK	0.10, 0.04, 0.00, 0.00
HSL	205°, 100%, 95%
HSV	205°, 10%, 100%
XYZ	82.7001, 88.5794, 107.3597
YIQ	240.7690, -12.4710, 0.2410

Conversions

Conversions Part 2

Format	Color
R _Y B	229, 239, 255
Decimal	15070463
CIE Lab	95.40, -2.85, -6.99
CIE LCh	95, 7.547, 247.784
Yxy	88.5794, 0.2968, 0.3179
Android (android.graphics.Color)	4293260543 (0xFFE5F4FF)
YUV	240.7690, 7.0159, -10.3214
Hunter-Lab	94.1166, -7.8565, -1.7510

Details

The Yxy color **88.5794, 0.2968, 0.3179** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **89.1831, 0.3296, 0.3398**, and the grayscale version is **87.7171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.9279, 0.2933, 0.3160** is the 20% darker color. If you saturate the color by 10%, you get **78.4151, 0.2809, 0.3059**, and if you desaturate by 10%, it is **99.7417, 0.3124, 0.3288**.

Distribution



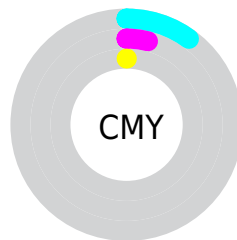
- Red (90%)
- Green (96%)
- Blue (100%)



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



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.5794, 0.2968, 0.3179 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 88.5794, 0.2968, 0.3179 by changing the saturation by 10% instead.

 88.5794, 0.2968,
0.3179

 88.5794, 0.2968,
0.3179


523.3988, 0.3039,
0.3229

 66.8030, 0.2952,
0.3168


145.3635, 0.2992,
0.3196

 48.9246, 0.2934,
0.3154


181.1401, 0.3002,
0.3203

 34.5596, 0.2910,
0.3138


222.3521, 0.3010,
0.3209

 23.3239, 0.2880,
0.3116

269.3841, 0.3017,
0.3214

 14.8328, 0.2841,
0.3087

322.6203, 0.3023,
0.3218

 8.7021, 0.2786,
0.3048

382.4453, 0.3029,

 4.5474, 0.2706,

0.3222

0.2988

449.2433, 0.3034,
0.3226

■ 1.9842, 0.2578,
0.2891

■ 0.5983, 0.2220,
0.2661

■ 88.5794, 0.2968,
0.3179

■ 88.5794, 0.2968,
0.3179

■ 78.4151, 0.2809,
0.3059

99.7417, 0.3124,
0.3288

■ 69.2077, 0.2649,
0.2926

100.0000, 0.3127,
0.3290

■ 60.9247, 0.2492,
0.2782

■ 53.5283, 0.2342,
0.2628

■ 46.9773, 0.2203,
0.2467

■ 41.2265, 0.2081,
0.2302

■ 36.2250, 0.1978,
0.2136

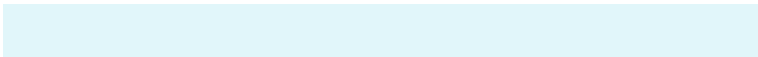
■ 31.9129, 0.1897,
0.1973

■ 28.2729, 0.1839,
0.1819

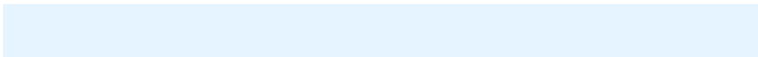
Harmonies

Analogous

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



88.5794, 0.2968, 0.3242



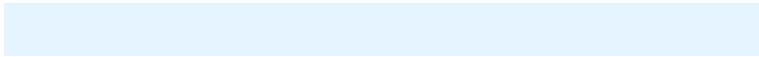
88.5794, 0.2968, 0.3179



88.5794, 0.3010, 0.3147

Triad

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



88.5794, 0.2968, 0.3179



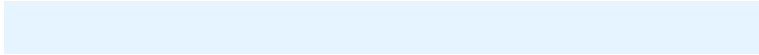
88.5794, 0.3246, 0.3260



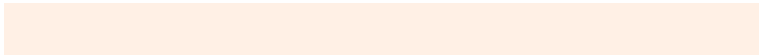
88.5794, 0.3169, 0.3432

Complementary

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



88.5794, 0.2968, 0.3179



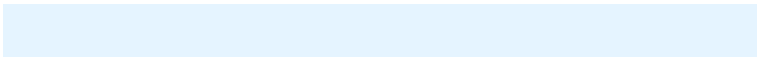
89.1831, 0.3296, 0.3398

Split Complementary

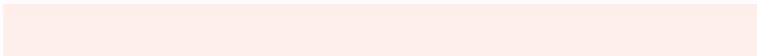
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.5794, 0.3244, 0.3435



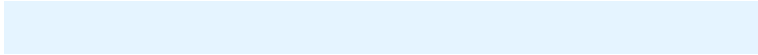
88.5794, 0.2968, 0.3179



88.5794, 0.3290, 0.3335

Square

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



88.5794, 0.2968, 0.3179



88.5794, 0.3170, 0.3194



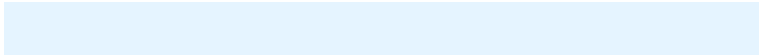
88.5794, 0.3289, 0.3399



88.5794, 0.3083, 0.3389

Rectangle

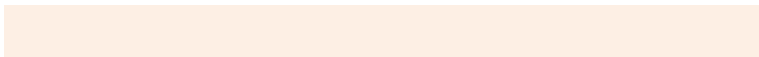
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.5794, 0.2968, 0.3179



88.5794, 0.3057, 0.3147



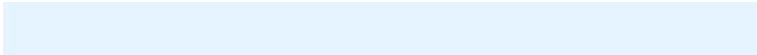
88.5794, 0.3289, 0.3399



88.5794, 0.3196, 0.3438

Sweetspot

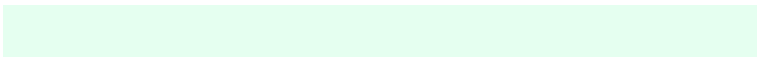
The Sweet Spot groups the original color and five complimentary colors.



88.5820, 0.2968, 0.3179



96.5392, 0.3081, 0.3259



94.4466, 0.3053, 0.3443



20.4687, 0.3069, 0.3250



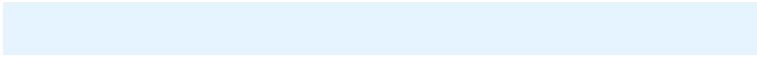
0.0000, 0.0000, 0.0000



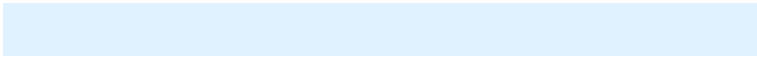
21.4041, 0.3127, 0.3290

Same Dimension

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



88.5820, 0.2968, 0.3179



86.7019, 0.2940, 0.3159



81.0797, 0.2967, 0.3047



19.1242, 0.2979, 0.3187



15.0753, 0.1846, 0.1845



1.6842, 0.1896, 0.2025

Inverse Universe

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



83.7961, 0.3209, 0.3143



81.2041, 0.3225, 0.3116



97.0556, 0.3282, 0.3522



18.1634, 0.3203, 0.3153



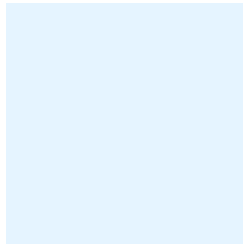
12.2498, 0.4632, 0.2325



1.2146, 0.4424, 0.2211

Previews

White Background



This preview shows how the Yxy color 88.5794, 0.2968, 0.3179 looks on a white background.

Color Contrast Check

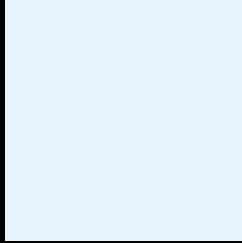
Large Text (above 18pt) WCAG AA × Fail

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 88.5794, 0.2968, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

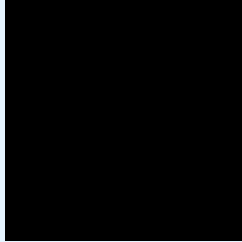
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

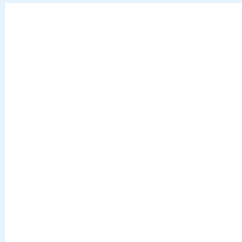
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.5794, 0.2968, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 88.5794, 0.2968, 0.3179.



This preview shows how white text looks on a background with the Yxy color 88.5794, 0.2968, 0.3179.

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

88.5794, 0.2968, 0.3179

Protanopia

88.4667, 0.3068, 0.3162

Deuteranopia

88.4067, 0.3142, 0.3117



Tritanopia

88.2167, 0.2999, 0.3160

Trichromacy



Original Color

88.5794, 0.2968, 0.3179

Protanomaly

88.2435, 0.3030, 0.3161

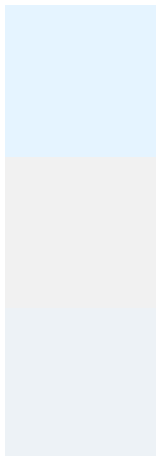
Deuteranomaly

88.4816, 0.3082, 0.3143

Tritanomaly

88.4770, 0.2987, 0.3170

Monochromacy



Original Color

88.5794, 0.2968, 0.3179

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.1626, 0.3071, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.5794, 0.2968, 0.3179 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, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(229, 244, 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, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 244, 255) }
```

Border

The CSS property to change the border of an element to Yxy 88.5794, 0.2968, 0.3179 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, 244, 255) }
```

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

```
.border{ border-color:rgb(229, 244, 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, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(229, 244, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(229, 244, 255); box-shadow:4px 4px 4px 4px rgb(229, 244, 255) }
```


Background

The CSS property to change the background color of an element to Yxy 88.5794, 0.2968, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 244, 255) }
```

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

```
.background{ background-color: rgb(229,  
244, 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