

Converting Colors

Yxy(83.5165, 0.2882, 0.3009)

Have a look what the booklet for
Yxy(83.5165, 0.2882, 0.3009)
contains.

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Color

Yxy(82.8989, 0.2930, 0.3095)

Conversions

Conversions Part 1

Format	Color
Hex	DFECEF
RGB	223, 236, 255
RGB Percent	87%, 93%, 100%
CMY	0.1254, 0.0745, 0.0000
CMYK	0.13, 0.07, 0.00, 0.00
HSL	216°, 100%, 94%
HSV	216°, 13%, 100%
XYZ	78.4794, 82.8989, 106.4695
YIQ	234.2790, -13.8470, 3.1530

Conversions

Conversions Part 2

Format	Color
R _Y B	223, 232, 255
Decimal	14675199
CIE Lab	92.97, -0.62, -10.63
CIE LCh	93, 10.650, 266.642
Yxy	82.8989, 0.2930, 0.3095
Android (android.graphics.Color)	4292865279 (0xFFDFE0FF)
YUV	234.2790, 10.2155, -9.8917
Hunter-Lab	91.0488, -5.4776, -5.5976

Details

The Yxy color **82.8989, 0.2930, 0.3095** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.0991, 0.3332, 0.3478**, and the grayscale version is **82.4344, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.0446, 0.2891, 0.3052** is the 20% darker color. If you saturate the color by 10%, you get **70.7971, 0.2763, 0.2919**, and if you desaturate by 10%, it is **96.3572, 0.3088, 0.3253**.

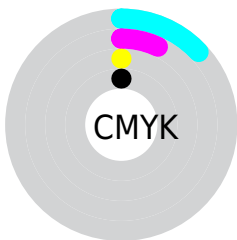
Distribution



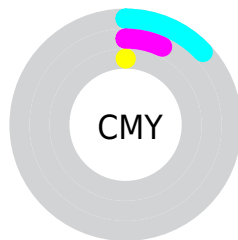
- Red (87%)
- Green (93%)
- Blue (100%)



- Red (87%)
- Yellow (91%)
- Blue (100%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.8989, 0.2930, 0.3095 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 82.8989, 0.2930, 0.3095 by changing the saturation by 10% instead.

82.8989, 0.2930,
0.3095

82.8989, 0.2930,
0.3095

504.6495, 0.3019,
0.3183

62.1068, 0.2910,
0.3075

137.4339, 0.2960,
0.3125

45.1190, 0.2886,
0.3051

171.9454, 0.2972,
0.3137

31.5511, 0.2856,
0.3022

211.7990, 0.2983,
0.3147

21.0189, 0.2817,
0.2983

257.3788, 0.2992,
0.3156

13.1378, 0.2766,
0.2932

309.0694, 0.3000,
0.3164

7.5235, 0.2695,
0.2860

367.2551, 0.3007,

3.7916, 0.2588,

0.3171

0.2754

432.3204, 0.3013,
0.3177

■ 1.5577, 0.2414,
0.2578

■ 0.3288, 0.1715,
0.1896

■ 82.8989, 0.2930,
0.3095

■ 82.8989, 0.2930,
0.3095

■ 70.7971, 0.2763,
0.2919

■ 96.3572, 0.3088,
0.3253

■ 59.9959, 0.2591,
0.2724

99.9999, 0.3127,
0.3290

■ 50.4507, 0.2417,
0.2513

■ 42.1097, 0.2247,
0.2288

■ 34.9174, 0.2087,
0.2056

■ 28.8129, 0.1943,
0.1823

■ 23.7278, 0.1823,
0.1597

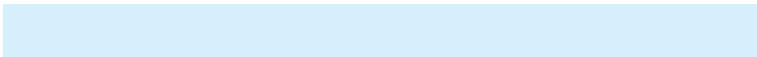
■ 19.5831, 0.1731,
0.1388

■ 17.0288, 0.1680,
0.1246

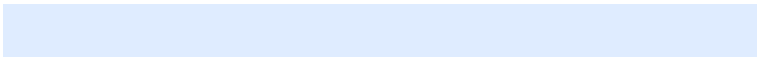
Harmonies

Analogous

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



82.8989, 0.2891, 0.3158



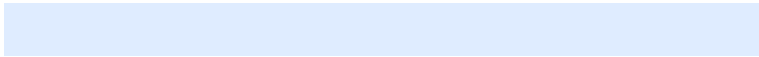
82.8989, 0.2930, 0.3095



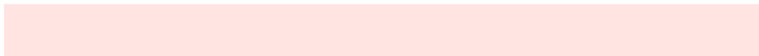
82.8989, 0.3022, 0.3084

Triad

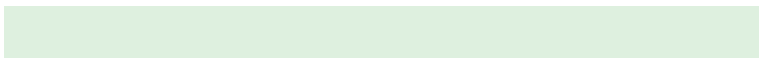
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8989, 0.2930, 0.3095



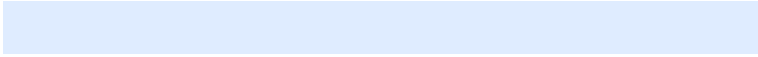
82.8989, 0.3345, 0.3314



82.8989, 0.3108, 0.3463

Complementary

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



82.8989, 0.2930, 0.3095



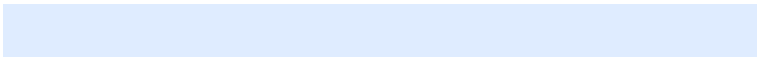
90.0991, 0.3332, 0.3478

Split Complementary

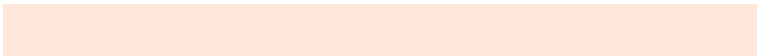
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.8989, 0.3230, 0.3505



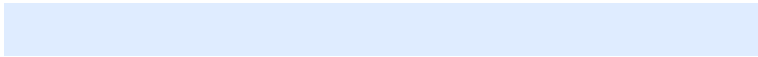
82.8989, 0.2930, 0.3095



82.8989, 0.3369, 0.3415

Square

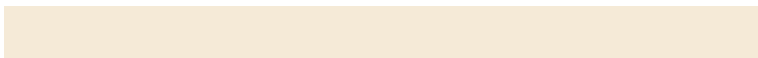
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8989, 0.2930, 0.3095



82.8989, 0.3262, 0.3209



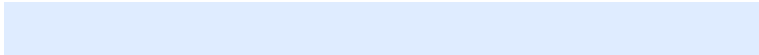
82.8989, 0.3327, 0.3486



82.8989, 0.2992, 0.3372

Rectangle

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



82.8989, 0.2930, 0.3095



82.8989, 0.3101, 0.3106



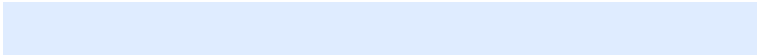
82.8989, 0.3327, 0.3486



82.8989, 0.3150, 0.3483

Sweetspot

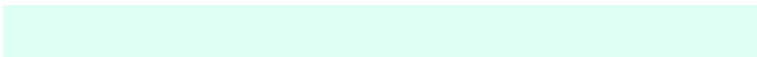
The Sweet Spot groups the original color and five complimentary colors.



82.9024, 0.2930, 0.3095



94.3119, 0.3066, 0.3231



93.6002, 0.3007, 0.3425



19.9630, 0.3054, 0.3220



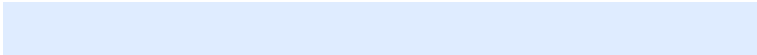
0.0000, 0.0000, 0.0000



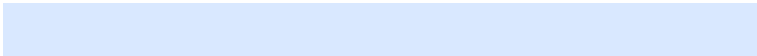
21.4041, 0.3127, 0.3290

Same Dimension

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



82.9024, 0.2930, 0.3095



79.8053, 0.2890, 0.3053



76.1206, 0.2944, 0.2960



18.5887, 0.2979, 0.3145



9.1729, 0.1688, 0.1276



1.1011, 0.1750, 0.1499

Inverse Universe

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



80.0994, 0.3267, 0.3162



76.5991, 0.3299, 0.3136



97.6049, 0.3298, 0.3603



18.1093, 0.3230, 0.3194



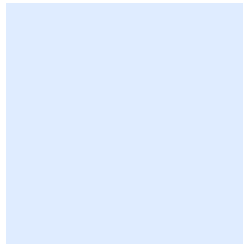
11.6540, 0.5359, 0.2726



1.1557, 0.5060, 0.2561

Previews

White Background



This preview shows how the Yxy color 82.8989, 0.2930, 0.3095 looks on a white background.

Color Contrast Check

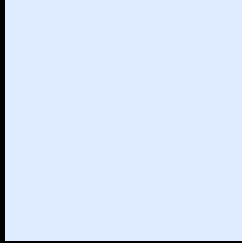
Large Text (above 18pt) WCAG AA × Fail

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 82.8989, 0.2930, 0.3095 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

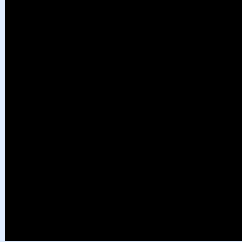
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

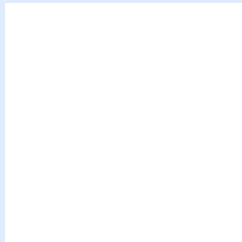
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.8989, 0.2930, 0.3095

Background



This preview shows how black text looks on a background with the Yxy color 82.8989, 0.2930, 0.3095.



This preview shows how white text looks on a background with the Yxy color 82.8989, 0.2930, 0.3095.

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

82.8989, 0.2930, 0.3095

Protanopia

82.6933, 0.3005, 0.3088

Deuteranopia

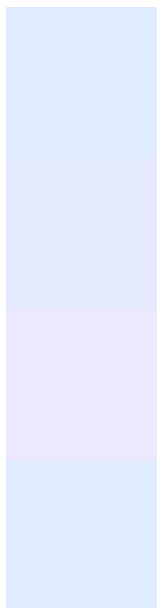
82.8515, 0.3079, 0.3034



Tritanopia

82.8989, 0.2930, 0.3095

Trichromacy



Original Color

82.8989, 0.2930, 0.3095

Protanomaly

82.6594, 0.2973, 0.3087

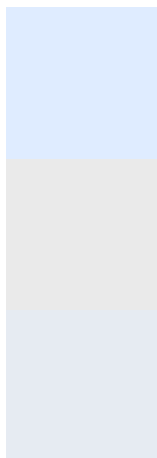
Deuteranomaly

83.1104, 0.3025, 0.3060

Tritanomaly

82.8989, 0.2930, 0.3095

Monochromacy



Original Color

82.8989, 0.2930, 0.3095

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.6505, 0.3051, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.8989, 0.2930, 0.3095 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(223, 236, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 236, 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(223, 236, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 236, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.8989, 0.2930, 0.3095 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(223, 236, 255) }
```

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

```
.border{ border-color:rgb(223, 236, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 236, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 236, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 236, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 236,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.8989, 0.2930, 0.3095 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 236, 255) }
```

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

```
.background{ background-color: rgb(223,  
236, 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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