

Converting Colors

$Y_{xy}(90.7276, 0.2806, 0.2977)$

Have a look what the booklet for
Yxy(90.7276, 0.2806, 0.2977)
contains.

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Color

Yxy(89.4295, 0.2933, 0.3208)

Conversions

Conversions Part 1

Format	Color
Hex	DFF7FF
RGB	223, 247, 255
RGB Percent	87%, 97%, 100%
CMY	0.1252, 0.0314, 0.0000
CMYK	0.13, 0.03, 0.00, 0.00
HSL	195°, 100%, 94%
HSV	195°, 13%, 100%
XYZ	81.7633, 89.4295, 107.5774
YIQ	240.7360, -16.8720, -2.6000

Conversions

Conversions Part 2

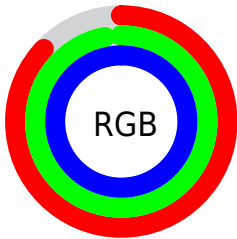
Format	Color
R _Y B	223, 237, 255
Decimal	14678015
CIE Lab	95.76, -6.19, -6.51
CIE LCh	96, 8.985, 226.419
Yxy	89.4295, 0.2933, 0.3208
Android (android.graphics.Color)	4292868095 (0xFFDFF7FF)
YUV	240.7360, 7.0322, -15.5545
Hunter-Lab	94.5672, -11.1604, -1.2499

Details

The Yxy color **89.4295, 0.2933, 0.3208** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **83.8005, 0.3345, 0.3370**, and the grayscale version is **87.7095, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.6637, 0.2896, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **81.8292, 0.2780, 0.3136**, and if you desaturate by 10%, it is **97.7790, 0.3088, 0.3274**.

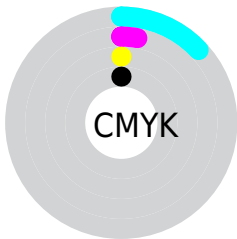
Distribution



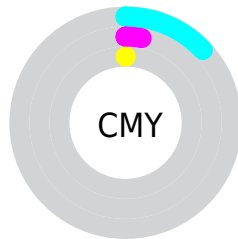
- Red (87%)
- Green (97%)
- Blue (100%)



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



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.4295, 0.2933, 0.3208 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 89.4295, 0.2933, 0.3208 by changing the saturation by 10% instead.

89.4295, 0.2933,
0.3208

89.4295, 0.2933,
0.3208

526.1733, 0.3019,
0.3245

67.5076, 0.2914,
0.3200

146.5457, 0.2962,
0.3221

49.4972, 0.2891,
0.3189

182.5087, 0.2974,
0.3226

35.0141, 0.2863,
0.3177

223.9210, 0.2984,
0.3230

23.6737, 0.2827,
0.3160

271.1667, 0.2993,
0.3234

15.0918, 0.2779,
0.3138

324.6305, 0.3000,
0.3237

8.8838, 0.2714,
0.3107

384.6965, 0.3007,

4.6655, 0.2619,

0.3240

0.3061

451.7493, 0.3013,
0.3243

■ 2.0524, 0.2468,
0.2983

■ 0.6376, 0.2018,
0.2829

■ 89.4295, 0.2933,
0.3208

■ 89.4295, 0.2933,
0.3208

■ 81.8292, 0.2780,
0.3136

■ 97.7790, 0.3088,
0.3274

■ 74.9428, 0.2633,
0.3057

100.0000, 0.3127,
0.3290

■ 68.7420, 0.2494,
0.2972

■ 63.1936, 0.2368,
0.2883

■ 58.2612, 0.2257,
0.2791

■ 53.9043, 0.2165,
0.2696

■ 50.0759, 0.2092,
0.2601

■ 46.7200, 0.2039,
0.2507

■ 44.4562, 0.2011,
0.2438

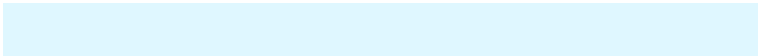
Harmonies

Analogous

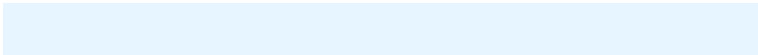
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.4295, 0.2969, 0.3297



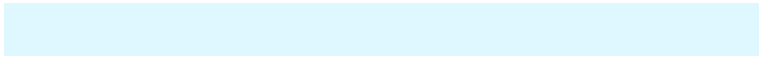
89.4295, 0.2933, 0.3208



89.4295, 0.2948, 0.3143

Triad

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



89.4295, 0.2933, 0.3208



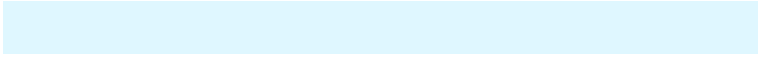
89.4295, 0.3207, 0.3197



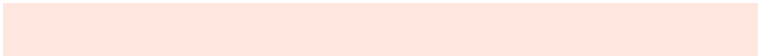
89.4295, 0.3243, 0.3467

Complementary

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



89.4295, 0.2933, 0.3208



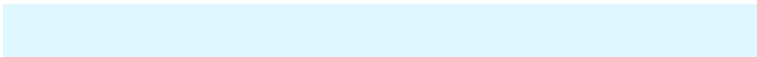
83.8005, 0.3345, 0.3370

Split Complementary

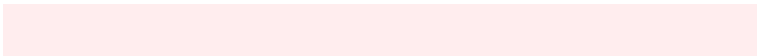
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4295, 0.3309, 0.3436



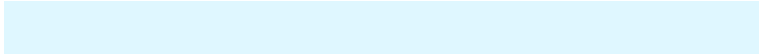
89.4295, 0.2933, 0.3208



89.4295, 0.3288, 0.3280

Square

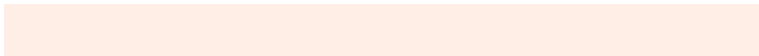
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.4295, 0.2933, 0.3208



89.4295, 0.3105, 0.3138



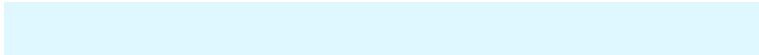
89.4295, 0.3326, 0.3367



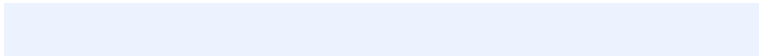
89.4295, 0.3147, 0.3449

Rectangle

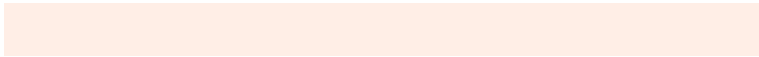
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.4295, 0.2933, 0.3208



89.4295, 0.2985, 0.3121



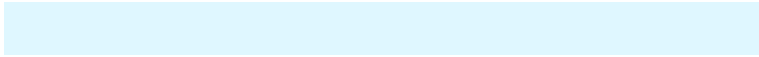
89.4295, 0.3326, 0.3367



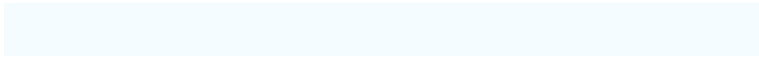
89.4295, 0.3270, 0.3462

Sweetspot

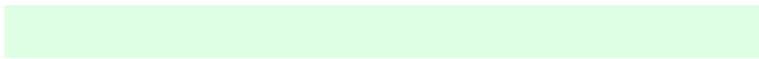
The Sweet Spot groups the original color and five complimentary colors.



89.4318, 0.2933, 0.3208



96.4925, 0.3065, 0.3265



92.9942, 0.3067, 0.3536



20.5151, 0.3053, 0.3260



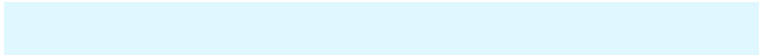
0.0000, 0.0000, 0.0000



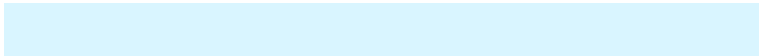
21.4041, 0.3127, 0.3290

Same Dimension

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



89.4318, 0.2933, 0.3208



87.4752, 0.2895, 0.3191



80.1078, 0.2929, 0.3043



19.6632, 0.2980, 0.3229



23.4795, 0.2015, 0.2453



2.4597, 0.2044, 0.2560

Inverse Universe

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



80.7940, 0.3194, 0.3056



77.3734, 0.3209, 0.3008



93.1264, 0.3325, 0.3525



18.2178, 0.3177, 0.3114



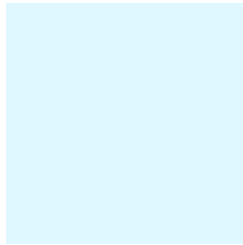
13.0982, 0.3969, 0.1960



1.2928, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 89.4295, 0.2933, 0.3208 looks on a white background.

Color Contrast Check

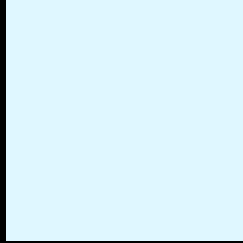
Large Text (above 18pt) WCAG AA × Fail

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 89.4295, 0.2933, 0.3208 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

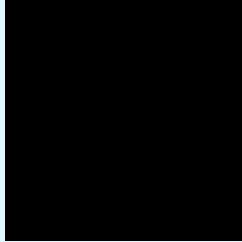
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

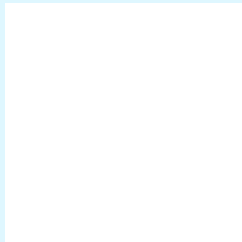
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.4295, 0.2933, 0.3208

Background



This preview shows how black text looks on a background with the Yxy color 89.4295, 0.2933, 0.3208.

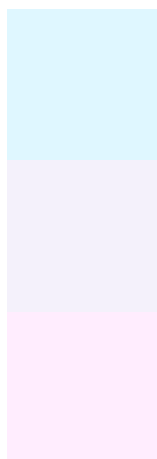


This preview shows how white text looks on a background with the Yxy color 89.4295, 0.2933, 0.3208.

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

89.4295, 0.2933, 0.3208

Protanopia

89.1087, 0.3086, 0.3191

Deuteranopia

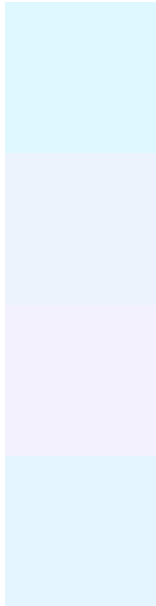
88.9841, 0.3141, 0.3126



Tritanopia

89.2450, 0.2993, 0.3180

Trichromacy



Original Color

89.4295, 0.2933, 0.3208

Protanomaly

88.9623, 0.3029, 0.3200

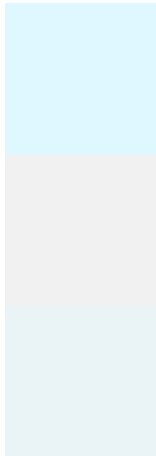
Deuteranomaly

89.1210, 0.3062, 0.3162

Tritanomaly

89.1828, 0.2969, 0.3189

Monochromacy



Original Color

89.4295, 0.2933, 0.3208

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.2474, 0.3052, 0.3260

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.4295, 0.2933, 0.3208 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, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 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(223, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 247, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.4295, 0.2933, 0.3208 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, 247, 255) }
```

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

```
.border{ border-color:rgb(223, 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(223, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 247,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.4295, 0.2933, 0.3208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 247, 255) }
```

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

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