

Converting Colors

$Yxy(88.3300, 0.2536, 0.2454)$

Have a look what the booklet for
Yxy(88.3300, 0.2536, 0.2454)
contains.

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Color

Yxy(82.6938, 0.2899, 0.3104)

Conversions

Conversions Part 1

Format	Color
Hex	DAEDFF
RGB	218, 237, 255
RGB Percent	85%, 93%, 100%
CMY	0.1453, 0.0705, 0.0001
CMYK	0.15, 0.07, 0.00, 0.00
HSL	209°, 100%, 93%
HSV	209°, 15%, 100%
XYZ	77.2324, 82.6938, 106.4843
YIQ	233.3710, -17.1020, 1.5700

Conversions

Conversions Part 2

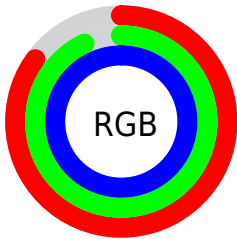
Format	Color
R _Y B	218, 231, 255
Decimal	14347775
CIE Lab	92.88, -2.73, -10.80
CIE LCh	93, 11.137, 255.789
Yxy	82.6938, 0.2899, 0.3104
Android (android.graphics.Color)	4292537855 (0xFFDAEDFF)
YUV	233.3710, 10.6631, -13.4804
Hunter-Lab	90.9361, -7.5375, -5.7720

Details

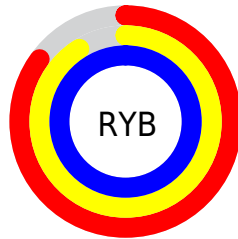
The Yxy color **82.6938, 0.2899, 0.3104** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.2525, 0.3373, 0.3469**, and the grayscale version is **81.7023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.9115, 0.2852, 0.3063** is the 20% darker color. If you saturate the color by 10%, you get **72.1493, 0.2736, 0.2958**, and if you desaturate by 10%, it is **94.3435, 0.3057, 0.3235**.

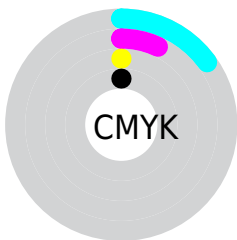
Distribution



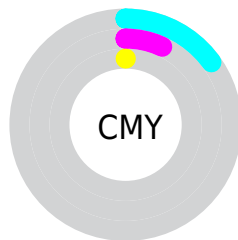
- Red (85%)
- Green (93%)
- Blue (100%)



- Red (85%)
- Yellow (91%)
- Blue (100%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6938, 0.2899, 0.3104 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 82.6938, 0.2899, 0.3104 by changing the saturation by 10% instead.

82.6938, 0.2899,
0.3104

82.6938, 0.2899,
0.3104

503.9655, 0.3002,
0.3188

61.9376, 0.2876,
0.3085

137.1465, 0.2934,
0.3133

44.9823, 0.2848,
0.3062

171.6118, 0.2948,
0.3144

31.4435, 0.2814,
0.3033

211.4156, 0.2960,
0.3154

20.9368, 0.2769,
0.2996

256.9422, 0.2970,
0.3163

13.0778, 0.2710,
0.2946

308.5762, 0.2979,
0.3170

7.4821, 0.2628,
0.2876

366.7017, 0.2988,

3.7654, 0.2507,

0.3177

0.2771

431.7034, 0.2995,
0.3183

■ 1.5432, 0.2309,
0.2597

■ 0.3189, 0.1420,
0.1916

■ 82.6938, 0.2899,
0.3104

■ 82.6938, 0.2899,
0.3104

■ 72.1493, 0.2736,
0.2958

■ 94.3435, 0.3057,
0.3235

■ 62.6624, 0.2572,
0.2799

99.9990, 0.3127,
0.3290

■ 54.1966, 0.2410,
0.2626

■ 46.7089, 0.2256,
0.2443

■ 40.1529, 0.2114,
0.2253

■ 34.4769, 0.1990,
0.2061

■ 29.6222, 0.1888,
0.1872

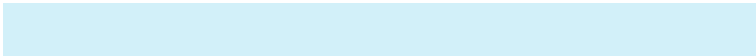
■ 25.5191, 0.1811,
0.1691

■ 23.5424, 0.1777,
0.1596

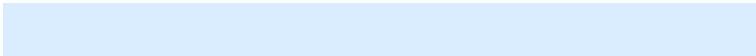
Harmonies

Analogous

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



82.6938, 0.2881, 0.3187



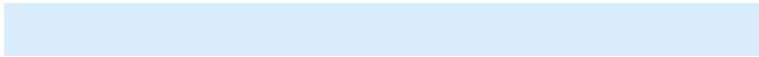
82.6938, 0.2899, 0.3104



82.6938, 0.2977, 0.3072

Triad

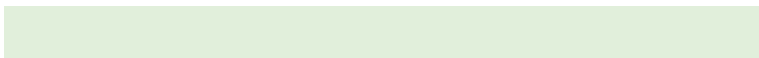
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6938, 0.2899, 0.3104



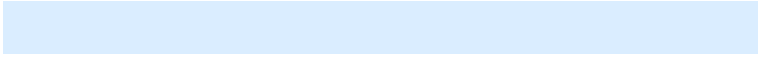
82.6938, 0.3330, 0.3274



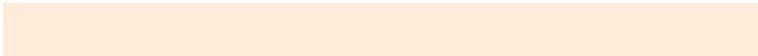
82.6938, 0.3154, 0.3494

Complementary

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



82.6938, 0.2899, 0.3104



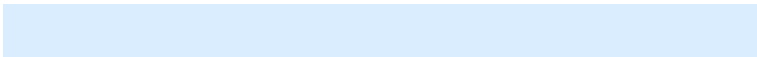
86.2525, 0.3373, 0.3469

Split Complementary

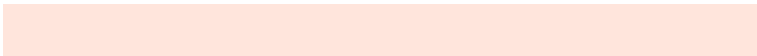
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6938, 0.3277, 0.3515



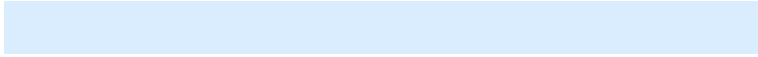
82.6938, 0.2899, 0.3104



82.6938, 0.3380, 0.3385

Square

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



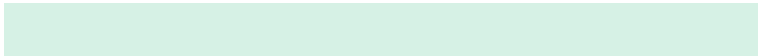
82.6938, 0.2899, 0.3104



82.6938, 0.3226, 0.3170



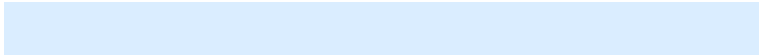
82.6938, 0.3360, 0.3474



82.6938, 0.3027, 0.3415

Rectangle

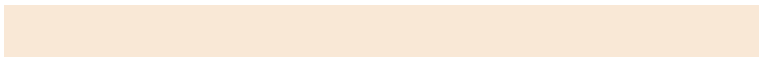
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6938, 0.2899, 0.3104



82.6938, 0.3053, 0.3082



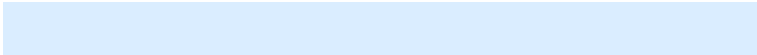
82.6938, 0.3360, 0.3474



82.6938, 0.3197, 0.3508

Sweetspot

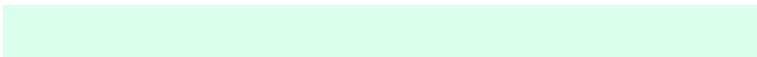
The Sweet Spot groups the original color and five complimentary colors.



82.6972, 0.2899, 0.3104



95.0012, 0.3066, 0.3242



92.4541, 0.3009, 0.3487



20.1373, 0.3054, 0.3232



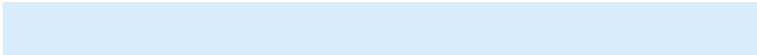
0.0000, 0.0000, 0.0000



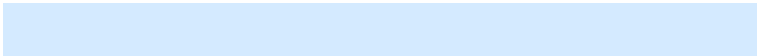
21.4041, 0.3127, 0.3290

Same Dimension

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



82.6972, 0.2899, 0.3104



79.9986, 0.2859, 0.3069



72.5500, 0.2892, 0.2908



18.9253, 0.2979, 0.3172



12.6036, 0.1785, 0.1624



1.4460, 0.1841, 0.1826

Inverse Universe

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



77.4864, 0.3265, 0.3101



74.1115, 0.3292, 0.3068



97.4329, 0.3347, 0.3646



18.1433, 0.3213, 0.3168



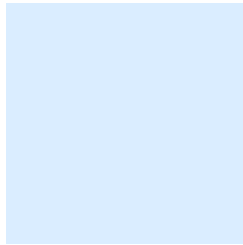
12.0003, 0.4900, 0.2473



1.1905, 0.4655, 0.2338

Previews

White Background



This preview shows how the Yxy color 82.6938, 0.2899, 0.3104 looks on a white background.

Color Contrast Check

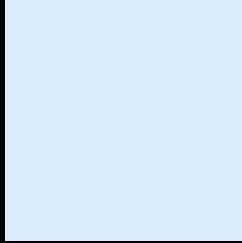
Large Text (above 18pt) WCAG AA × Fail

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 82.6938, 0.2899, 0.3104 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

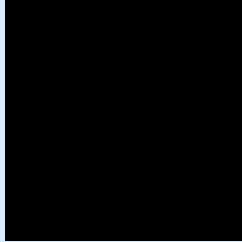
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

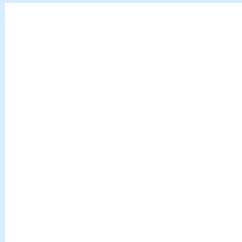
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.6938, 0.2899, 0.3104

Background



This preview shows how black text looks on a background with the Yxy color 82.6938, 0.2899, 0.3104.



This preview shows how white text looks on a background with the Yxy color 82.6938, 0.2899, 0.3104.

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

82.6938, 0.2899, 0.3104

Protanopia

82.6297, 0.3011, 0.3098

Deuteranopia

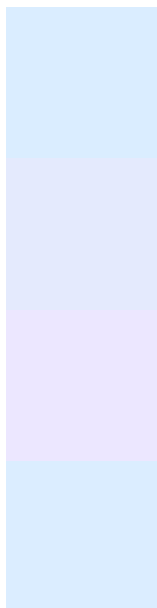
82.2996, 0.3079, 0.3024



Tritanopia

82.8484, 0.2905, 0.3104

Trichromacy



Original Color

82.6938, 0.2899, 0.3104

Protanomaly

82.4315, 0.2973, 0.3096

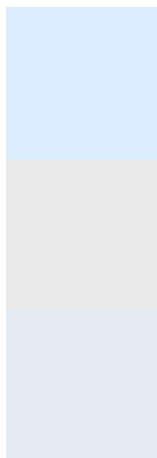
Deuteranomaly

82.2047, 0.3012, 0.3049

Tritanomaly

82.8484, 0.2905, 0.3104

Monochromacy



Original Color

82.6938, 0.2899, 0.3104

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.6905, 0.3044, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6938, 0.2899, 0.3104 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(218, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 237, 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(218, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6938, 0.2899, 0.3104 is called "border". The border property can be set on classes, ids or directly on the HTML element.

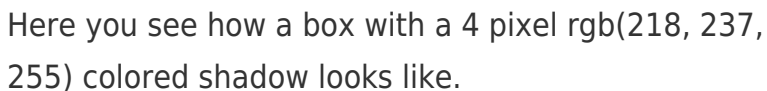
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 237, 255) }
```

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

```
.border{ border-color:rgb(218, 237, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 237, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6938, 0.2899, 0.3104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 237, 255) }
```

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

```
.background{ background-color: rgb(218,  
237, 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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