

Converting Colors

$Yxy(82.3190, 0.2929, 0.3085)$

Have a look what the booklet for
Yxy(82.3190, 0.2929, 0.3085)
contains.

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Color

Yxy(82.3246, 0.2930, 0.3085)

Conversions

Conversions Part 1

Format	Color
Hex	DFEBFF
RGB	223, 235, 255
RGB Percent	87%, 92%, 100%
CMY	0.1254, 0.0784, 0.0002
CMYK	0.13, 0.08, 0.00, 0.00
HSL	217°, 100%, 94%
HSV	217°, 13%, 100%
XYZ	78.1884, 82.3246, 106.3415
YIQ	233.6920, -13.5720, 3.6760

Conversions

Conversions Part 2

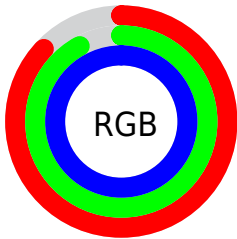
Format	Color
R_{YB}	223, 232, 255
Decimal	14674943
CIE _{Lab}	92.72, -0.12, -10.99
CIE _{LCh}	93, 10.988, 269.389
Yxy	82.3246, 0.2930, 0.3085
Android (android.graphics.Color)	4292865023 (0xFFDFEBFF)
YUV	233.6920, 10.5048, -9.3769
Hunter-Lab	90.7329, -4.9616, -5.9765

Details

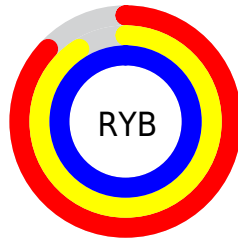
The Yxy color **82.3246, 0.2930, 0.3085** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.6670, 0.3330, 0.3487**, and the grayscale version is **81.9640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.6422, 0.2890, 0.3039** is the 20% darker color. If you saturate the color by 10%, you get **69.8613, 0.2762, 0.2899**, and if you desaturate by 10%, it is **96.2213, 0.3089, 0.3251**.

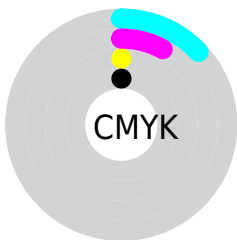
Distribution



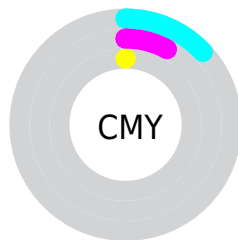
- Red (87%)
- Green (92%)
- Blue (100%)



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



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3246, 0.2930, 0.3085 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 82.3246, 0.2930, 0.3085 by changing the saturation by 10% instead.

■ 82.3246, 0.2930,
0.3085

■ 82.3246, 0.2930,
0.3085

502.7328, 0.3019,
0.3178

■ 61.6331, 0.2910,
0.3064

136.6291, 0.2960,
0.3117

■ 44.7363, 0.2886,
0.3039

171.0109, 0.2972,
0.3129

■ 31.2498, 0.2856,
0.3008

210.7250, 0.2983,
0.3140

■ 20.7891, 0.2817,
0.2967

256.1557, 0.2992,
0.3149

■ 12.9700, 0.2765,
0.2913

307.6875, 0.3000,
0.3158

■ 7.4079, 0.2693,
0.2838

365.7046, 0.3007,

■ 3.7185, 0.2586,

0.3165

0.2726

430.5916, 0.3013,
0.3172

■ 1.5173, 0.2409,
0.2542

■ 0.3009, 0.1679,
0.1785

■ 82.3246, 0.2930,
0.3085

■ 82.3246, 0.2930,
0.3085

■ 69.8613, 0.2762,
0.2899

■ 96.2213, 0.3089,
0.3251

■ 58.7727, 0.2588,
0.2694

99.9974, 0.3127,
0.3290

■ 49.0107, 0.2411,
0.2471

■ 40.5203, 0.2236,
0.2235

■ 33.2423, 0.2072,
0.1990

■ 27.1117, 0.1924,
0.1747

■ 22.0562, 0.1801,
0.1513

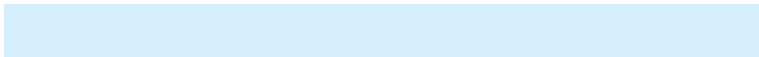
■ 17.9919, 0.1707,
0.1300

■ 15.5233, 0.1655,
0.1157

Harmonies

Analogous

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



82.3246, 0.2884, 0.3146



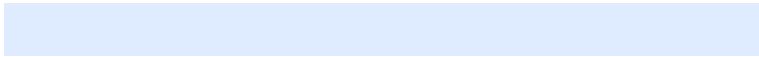
82.3246, 0.2930, 0.3085



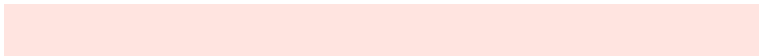
82.3246, 0.3029, 0.3079

Triad

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



82.3246, 0.2930, 0.3085



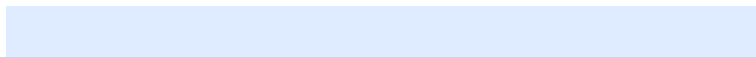
82.3246, 0.3358, 0.3325



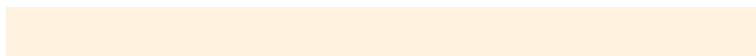
82.3246, 0.3096, 0.3462

Complementary

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



82.3246, 0.2930, 0.3085



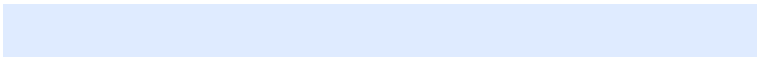
90.6670, 0.3330, 0.3487

Split Complementary

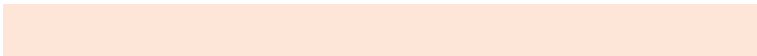
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3246, 0.3223, 0.3511



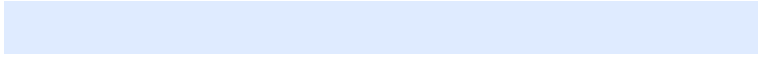
82.3246, 0.2930, 0.3085



82.3246, 0.3376, 0.3428

Square

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



82.3246, 0.2930, 0.3085



82.3246, 0.3276, 0.3216



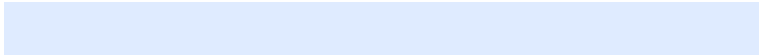
82.3246, 0.3326, 0.3497



82.3246, 0.2978, 0.3365

Rectangle

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



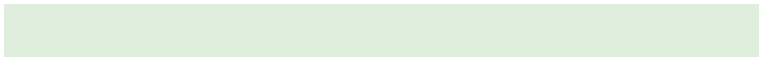
82.3246, 0.2930, 0.3085



82.3246, 0.3112, 0.3105



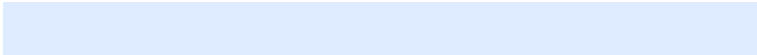
82.3246, 0.3326, 0.3497



82.3246, 0.3139, 0.3485

Sweetspot

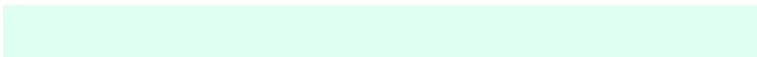
The Sweet Spot groups the original color and five complimentary colors.



82.3280, 0.2930, 0.3085



94.1178, 0.3066, 0.3228



93.6392, 0.3001, 0.3414



19.9139, 0.3054, 0.3216



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.



82.3280, 0.2930, 0.3085



79.1429, 0.2889, 0.3041



76.2931, 0.2951, 0.2961



18.4945, 0.2979, 0.3137



8.3770, 0.1663, 0.1187



1.0174, 0.1726, 0.1412

Inverse Universe

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



80.0368, 0.3274, 0.3172



76.5323, 0.3307, 0.3147



97.3755, 0.3291, 0.3603



18.0998, 0.3235, 0.3201



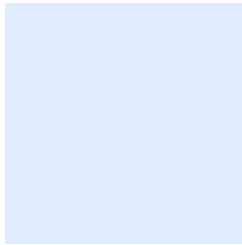
11.5736, 0.5484, 0.2795



1.1472, 0.5175, 0.2624

Previews

White Background



This preview shows how the Yxy color 82.3246, 0.2930, 0.3085 looks on a white background.

Color Contrast Check

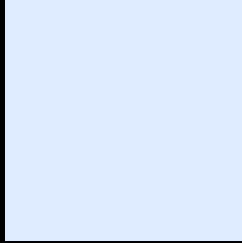
Large Text (above 18pt) WCAG AA × Fail

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 82.3246, 0.2930, 0.3085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

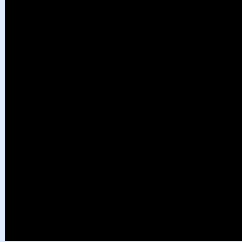
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

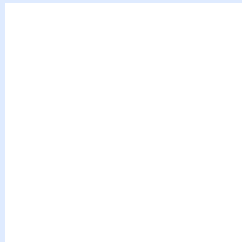
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.3246, 0.2930, 0.3085

Background



This preview shows how black text looks on a background with the Yxy color 82.3246, 0.2930, 0.3085.



This preview shows how white text looks on a background with the Yxy color 82.3246, 0.2930, 0.3085.

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

82.3246, 0.2930, 0.3085

Protanopia

81.9609, 0.2998, 0.3077

Deuteranopia

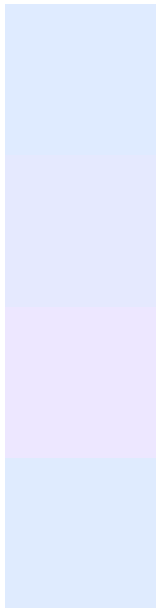
82.1193, 0.3072, 0.3023



Tritanopia

82.2604, 0.2935, 0.3095

Trichromacy



Original Color

82.3246, 0.2930, 0.3085

Protanomaly

82.0916, 0.2973, 0.3076

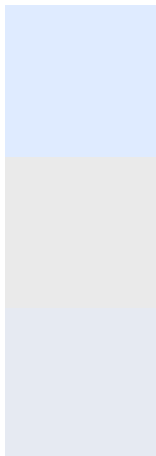
Deuteranomaly

82.3764, 0.3019, 0.3049

Tritanomaly

82.2604, 0.2935, 0.3095

Monochromacy



Original Color

82.3246, 0.2930, 0.3085

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.0794, 0.3051, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3246, 0.2930, 0.3085 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, 235, 255)` looks like.

```
.text, #text, p{  
    color:rgb(223, 235, 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, 235, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 235, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.3246, 0.2930, 0.3085 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, 235, 255) }
```

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

```
.border{ border-color:rgb(223, 235, 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, 235, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 235, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 235, 255);  
box-shadow:4px 4px 4px 4px rgb(223, 235,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.3246, 0.2930, 0.3085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 235, 255) }
```

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

```
.background{ background-color: rgb(223,  
235, 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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