

Converting Colors

$Yxy(82.8369, 0.2850, 0.3048)$

Have a look what the booklet for
Yxy(82.8369, 0.2850, 0.3048)
contains.

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Color

Yxy(82.2354, 0.2881, 0.3103)

Conversions

Conversions Part 1

Format	Color
Hex	D7EDFF
RGB	215, 237, 255
RGB Percent	84%, 93%, 100%
CMY	0.1569, 0.0705, 0.0001
CMYK	0.16, 0.07, 0.00, 0.00
HSL	207°, 100%, 92%
HSV	207°, 16%, 100%
XYZ	76.3520, 82.2354, 106.4316
YIQ	232.4740, -18.8900, 0.9340

Conversions

Conversions Part 2

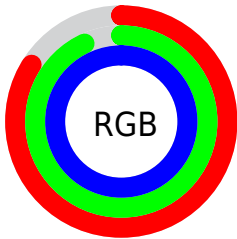
Format	Color
R _Y B	215, 229, 255
Decimal	14151167
CIE Lab	92.68, -3.64, -11.11
CIE LCh	93, 11.693, 251.838
Yxy	82.2354, 0.2881, 0.3103
Android (android.graphics.Color)	4292341247 (0xFFD7EDFF)
YUV	232.4740, 11.1053, -15.3247
Hunter-Lab	90.6837, -8.4069, -6.1075

Details

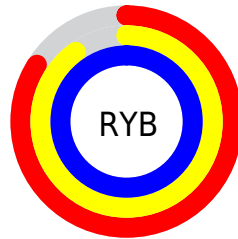
The Yxy color **82.2354, 0.2881, 0.3103** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.4103, 0.3396, 0.3470**, and the grayscale version is **80.9953, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.5985, 0.2829, 0.3062** is the 20% darker color. If you saturate the color by 10%, you get **72.2527, 0.2720, 0.2967**, and if you desaturate by 10%, it is **93.2501, 0.3039, 0.3226**.

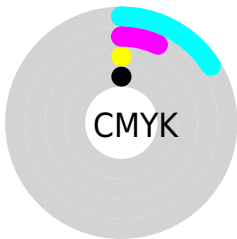
Distribution



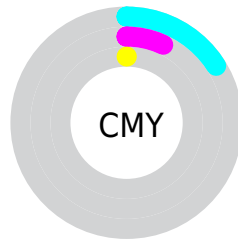
- Red (84%)
- Green (93%)
- Blue (100%)



- Red (84%)
- Yellow (90%)
- Blue (100%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)



- Cyan (16%)
- Magenta (7%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.2354, 0.2881, 0.3103 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 82.2354, 0.2881, 0.3103 by changing the saturation by 10% instead.

82.2354, 0.2881,
0.3103

82.2354, 0.2881,
0.3103

502.4348, 0.2992,
0.3188

61.5596, 0.2856,
0.3084

136.5041, 0.2919,
0.3132

44.6769, 0.2827,
0.3061

170.8657, 0.2934,
0.3144

31.2030, 0.2789,
0.3031

210.5581, 0.2947,
0.3154

20.7535, 0.2741,
0.2993

255.9656, 0.2958,
0.3162

12.9439, 0.2678,
0.2943

307.4726, 0.2968,
0.3170

7.3900, 0.2589,
0.2871

365.4635, 0.2977,

3.7071, 0.2458,

0.3177

0.2764

430.3228, 0.2985,
0.3183

■ 1.5111, 0.2246,
0.2585

■ 0.2965, 0.1209,
0.1859

■ 82.2354, 0.2881,
0.3103

■ 82.2354, 0.2881,
0.3103

■ 72.2527, 0.2720,
0.2967

■ 93.2501, 0.3039,
0.3226

■ 63.2561, 0.2559,
0.2818

99.9982, 0.3127,
0.3290

■ 55.2110, 0.2402,
0.2658

■ 48.0764, 0.2253,
0.2489

■ 41.8076, 0.2119,
0.2313

■ 36.3547, 0.2002,
0.2135

■ 31.6608, 0.1908,
0.1960

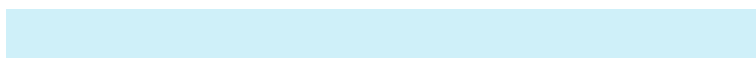
■ 27.6571, 0.1837,
0.1791

■ 26.1017, 0.1811,
0.1720

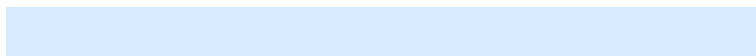
Harmonies

Analogous

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



82.2354, 0.2871, 0.3196



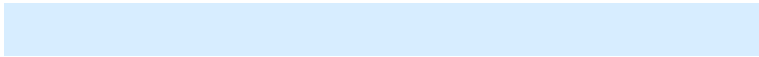
82.2354, 0.2881, 0.3103



82.2354, 0.2955, 0.3062

Triad

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



82.2354, 0.2881, 0.3103



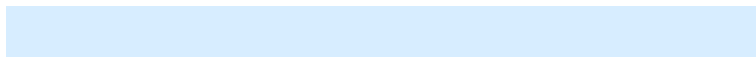
82.2354, 0.3329, 0.3258



82.2354, 0.3174, 0.3512

Complementary

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



82.2354, 0.2881, 0.3103



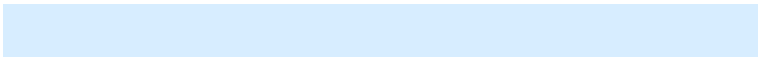
84.4103, 0.3396, 0.3470

Split Complementary

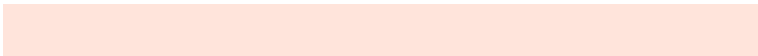
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2354, 0.3299, 0.3525



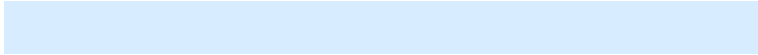
82.2354, 0.2881, 0.3103



82.2354, 0.3390, 0.3375

Square

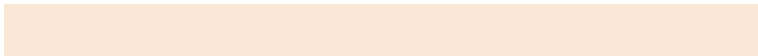
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.2354, 0.2881, 0.3103



82.2354, 0.3213, 0.3151



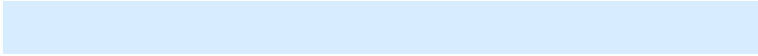
82.2354, 0.3379, 0.3473



82.2354, 0.3038, 0.3435

Rectangle

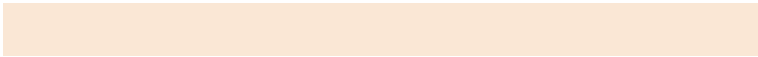
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.2354, 0.2881, 0.3103



82.2354, 0.3032, 0.3068



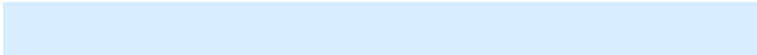
82.2354, 0.3379, 0.3473



82.2354, 0.3218, 0.3523

Sweetspot

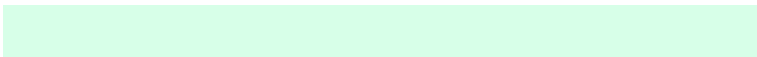
The Sweet Spot groups the original color and five complimentary colors.



82.2388, 0.2881, 0.3103



94.0615, 0.3050, 0.3234



91.7918, 0.3011, 0.3526



19.9590, 0.3039, 0.3226



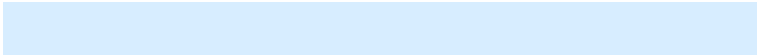
0.0000, 0.0000, 0.0000



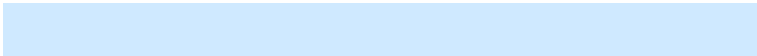
21.4041, 0.3127, 0.3290

Same Dimension

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



82.2388, 0.2881, 0.3103



78.8320, 0.2828, 0.3059



71.6281, 0.2873, 0.2896



19.0366, 0.2979, 0.3181



13.9447, 0.1819, 0.1747



1.5760, 0.1872, 0.1937

Inverse Universe

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



75.9656, 0.3268, 0.3072



71.5646, 0.3303, 0.3023



95.9740, 0.3367, 0.3656



18.1545, 0.3207, 0.3160



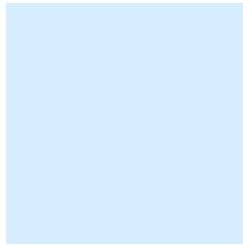
12.1357, 0.4749, 0.2390



1.2036, 0.4525, 0.2266

Previews

White Background



This preview shows how the Yxy color 82.2354, 0.2881, 0.3103 looks on a white background.

Color Contrast Check

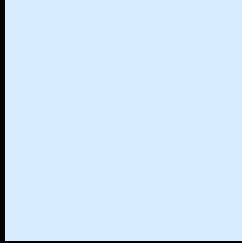
Large Text (above 18pt) WCAG AA × Fail

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 82.2354, 0.2881, 0.3103 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

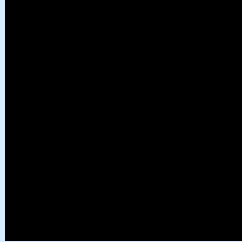
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

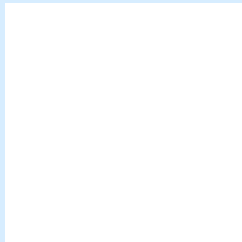
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 82.2354, 0.2881, 0.3103

Background



This preview shows how black text looks on a background with the Yxy color 82.2354, 0.2881, 0.3103.



This preview shows how white text looks on a background with the Yxy color 82.2354, 0.2881, 0.3103.

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

82.2354, 0.2881, 0.3103

Protanopia

81.8973, 0.3004, 0.3087

Deuteranopia

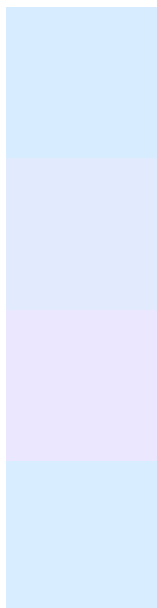
82.1193, 0.3072, 0.3023



Tritanopia

82.3873, 0.2887, 0.3103

Trichromacy



Original Color

82.2354, 0.2881, 0.3103

Protanomaly

82.1062, 0.2960, 0.3095

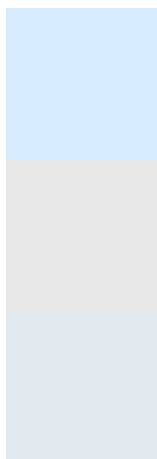
Deuteranomaly

81.8643, 0.2999, 0.3048

Tritanomaly

82.3873, 0.2887, 0.3103

Monochromacy



Original Color

82.2354, 0.2881, 0.3103

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

81.3057, 0.3037, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.2354, 0.2881, 0.3103 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(215, 237, 255)` looks like.

```
.text, #text, p{  
    color:rgb(215, 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(215, 237, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 237, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.2354, 0.2881, 0.3103 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(215, 237, 255) }
```

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

```
.border{ border-color:rgb(215, 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(215, 237, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 237, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 237, 255);  
box-shadow:4px 4px 4px 4px rgb(215, 237,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.2354, 0.2881, 0.3103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 237, 255) }
```

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

```
.background{ background-color: rgb(215,  
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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