

Converting Colors

$Yxy(83.4642, 0.2730, 0.2737)$

Have a look what the booklet for
Yxy(83.4642, 0.2730, 0.2737)
contains.

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Color

Yxy(80.8700, 0.2917, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	DDE9FF
RGB	221, 233, 255
RGB Percent	87%, 91%, 100%
CMY	0.1331, 0.0863, 0.0001
CMYK	0.13, 0.09, 0.00, 0.00
HSL	219°, 100%, 93%
HSV	219°, 13%, 100%
XYZ	77.0153, 80.8700, 106.1369
YIQ	231.9200, -14.2140, 4.2980

Conversions

Conversions Part 2

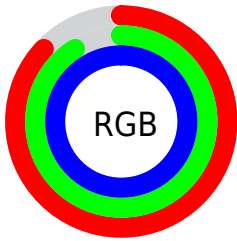
Format	Color
R _Y B	221, 230, 255
Decimal	14543359
CIE Lab	92.07, 0.30, -11.97
CIE LCh	92, 11.974, 271.457
Yxy	80.8700, 0.2917, 0.3063
Android (android.graphics.Color)	4292733439 (0xFFDDE9FF)
YUV	231.9200, 11.3784, -9.5768
Hunter-Lab	89.9277, -4.5039, -7.0274

Details

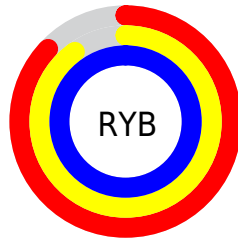
The Yxy color **80.8700, 0.2917, 0.3063** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.5988, 0.3343, 0.3507**, and the grayscale version is **80.5610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6285, 0.2873, 0.3010** is the 20% darker color. If you saturate the color by 10%, you get **68.2494, 0.2747, 0.2868**, and if you desaturate by 10%, it is **94.9808, 0.3077, 0.3237**.

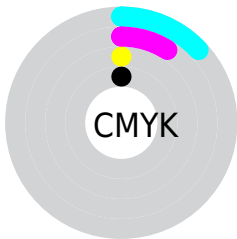
Distribution



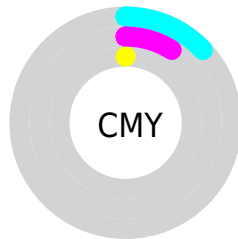
- Red (87%)
- Green (91%)
- Blue (100%)



- Red (87%)
- Yellow (90%)
- Blue (100%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.8700, 0.2917, 0.3063 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 80.8700, 0.2917, 0.3063 by changing the saturation by 10% instead.

80.8700, 0.2917,
0.3063

80.8700, 0.2917,
0.3063

497.8600, 0.3012,
0.3166

60.4345, 0.2896,
0.3040

134.5882, 0.2950,
0.3098

43.7690, 0.2870,
0.3012

168.6398, 0.2962,
0.3112

30.4889, 0.2837,
0.2977

207.9988, 0.2973,
0.3124

20.2100, 0.2796,
0.2932

253.0497, 0.2983,
0.3134

12.5478, 0.2740,
0.2872

304.1769, 0.2992,
0.3144

7.1179, 0.2662,
0.2788

361.7647, 0.2999,

3.5359, 0.2545,

0.3152

0.2663

426.1976, 0.3006,
0.3159

■ 1.4175, 0.2353,
0.2457

■ 0.2296, 0.1458,
0.1484

■ 80.8700, 0.2917,
0.3063

■ 80.8700, 0.2917,
0.3063

■ 68.2494, 0.2747,
0.2868

■ 94.9808, 0.3077,
0.3237

■ 57.0578, 0.2571,
0.2654

99.9985, 0.3127,
0.3290

■ 47.2441, 0.2391,
0.2421

■ 38.7501, 0.2215,
0.2175

■ 31.5132, 0.2048,
0.1922

■ 25.4645, 0.1899,
0.1671

■ 20.5274, 0.1776,
0.1434

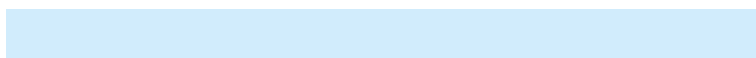
■ 16.6128, 0.1684,
0.1220

■ 14.4923, 0.1637,
0.1094

Harmonies

Analogous

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



80.8700, 0.2862, 0.3125



80.8700, 0.2917, 0.3063



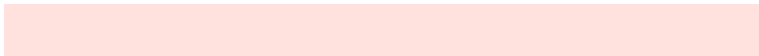
80.8700, 0.3028, 0.3061

Triad

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



80.8700, 0.2917, 0.3063



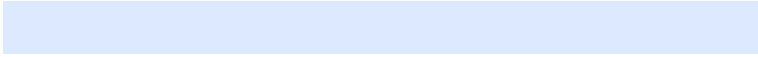
80.8700, 0.3384, 0.3336



80.8700, 0.3083, 0.3473

Complementary

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



80.8700, 0.2917, 0.3063



90.5988, 0.3343, 0.3507

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.



80.8700, 0.3223, 0.3531



80.8700, 0.2917, 0.3063



80.8700, 0.3399, 0.3448

Square

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



80.8700, 0.2917, 0.3063



80.8700, 0.3299, 0.3216



80.8700, 0.3339, 0.3520



80.8700, 0.2957, 0.3363

Rectangle

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



80.8700, 0.2917, 0.3063



80.8700, 0.3120, 0.3092



80.8700, 0.3339, 0.3520



80.8700, 0.3130, 0.3500

Sweetspot

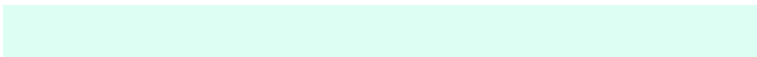
The Sweet Spot groups the original color and five complimentary colors.



80.8734, 0.2917, 0.3063



93.9721, 0.3066, 0.3226



93.3281, 0.2991, 0.3417



19.8771, 0.3054, 0.3213



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.



80.8734, 0.2917, 0.3063



77.3443, 0.2872, 0.3013



75.0577, 0.2943, 0.2940



18.4239, 0.2979, 0.3132



7.8269, 0.1646, 0.1124



0.9583, 0.1708, 0.1349

Inverse Universe

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



78.8778, 0.3290, 0.3172



75.0873, 0.3328, 0.3147



97.1359, 0.3298, 0.3624



18.0927, 0.3239, 0.3207



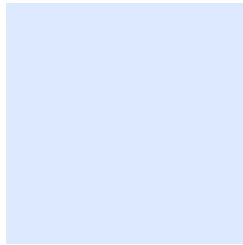
11.5181, 0.5575, 0.2845



1.1413, 0.5260, 0.2671

Previews

White Background



This preview shows how the Yxy color 80.8700, 0.2917, 0.3063 looks on a white background.

Color Contrast Check

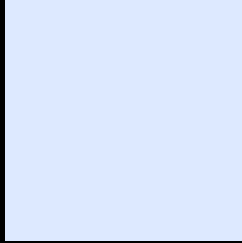
Large Text (above 18pt) WCAG AA × Fail

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 80.8700, 0.2917, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

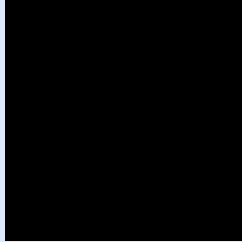
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

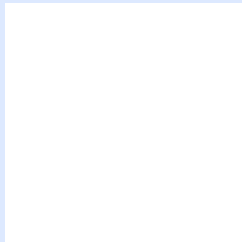
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.8700, 0.2917, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 80.8700, 0.2917, 0.3063.

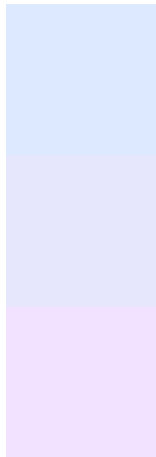


This preview shows how white text looks on a background with the Yxy color 80.8700, 0.2917, 0.3063.

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

80.8700, 0.2917, 0.3063

Protanopia

80.5085, 0.2985, 0.3055

Deuteranopia

80.6674, 0.3059, 0.3002



Tritanopia

80.6783, 0.2934, 0.3093

Trichromacy



Original Color

80.8700, 0.2917, 0.3063

Protanomaly

80.6385, 0.2960, 0.3055

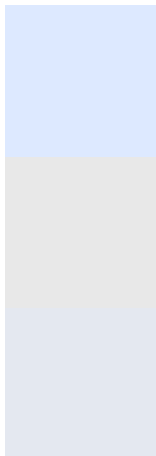
Deuteranomaly

80.9208, 0.3006, 0.3028

Tritanomaly

80.7418, 0.2928, 0.3083

Monochromacy



Original Color

80.8700, 0.2917, 0.3063

Achromatopsia

80.6952, 0.3127, 0.3290

Achromatomaly

80.4985, 0.3051, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.8700, 0.2917, 0.3063 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(221, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(221, 233, 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(221, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.8700, 0.2917, 0.3063 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(221, 233, 255) }
```

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

```
.border{ border-color:rgb(221, 233, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 233, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(221, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.8700, 0.2917, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 233, 255) }
```

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

```
.background{ background-color: rgb(221,  
233, 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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