

Converting Colors

$Yxy(80.6273, 0.2909, 0.3102)$

Have a look what the booklet for
Yxy(80.6273, 0.2909, 0.3102)
contains.

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Color

Yxy(80.6256, 0.2909, 0.3102)

Conversions

Conversions Part 1

Format	Color
Hex	D9EAF8
RGB	217, 234, 252
RGB Percent	85%, 92%, 99%
CMY	0.1490, 0.0823, 0.0117
CMYK	0.14, 0.07, 0.00, 0.01
HSL	211°, 85%, 92%
HSV	211°, 14%, 99%
XYZ	75.6092, 80.6256, 103.6801
YIQ	230.9690, -15.9100, 1.9940

Conversions

Conversions Part 2

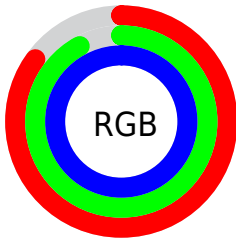
Format	Color
R _Y B	217, 228, 252
Decimal	14281468
CIE Lab	91.96, -2.08, -10.62
CIE LCh	92, 10.818, 258.914
Yxy	80.6256, 0.2909, 0.3102
Android (android.graphics.Color)	4292471548 (0xFFD9EAFD)
YUV	230.9690, 10.3683, -12.2508
Hunter-Lab	89.7918, -6.8295, -5.6063

Details

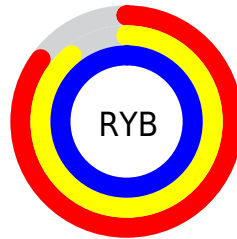
The Yxy color **80.6256, 0.2909, 0.3102** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.1266, 0.3359, 0.3471**, and the grayscale version is **79.8194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.4623, 0.2864, 0.3061** is the 20% darker color. If you saturate the color by 10%, you get **69.9454, 0.2745, 0.2948**, and if you desaturate by 10%, it is **92.4420, 0.3067, 0.3240**.

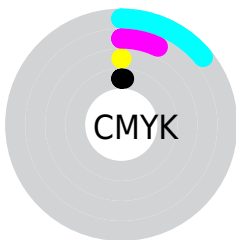
Distribution



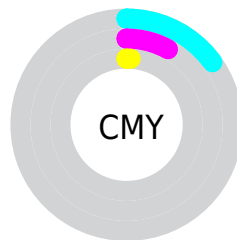
- Red (85%)
- Green (92%)
- Blue (99%)



- Red (85%)
- Yellow (89%)
- Blue (99%)



- Cyan (14%)
- Magenta (7%)
- Yellow (0%)
- Black (1%)



- Cyan (15%)
- Magenta (8%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.6256, 0.2909, 0.3102 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 80.6256, 0.2909, 0.3102 by changing the saturation by 10% instead.

80.6256, 0.2909,
0.3102

80.6256, 0.2909,
0.3102

497.0387, 0.3008,
0.3188

60.2333, 0.2887,
0.3083

134.2449, 0.2943,
0.3131

43.6067, 0.2860,
0.3059

168.2408, 0.2956,
0.3143

30.3614, 0.2827,
0.3030

207.5399, 0.2968,
0.3153

20.1131, 0.2783,
0.2992

252.5267, 0.2978,
0.3162

12.4773, 0.2726,
0.2940

303.5856, 0.2986,
0.3169

7.0696, 0.2645,
0.2868

361.1009, 0.2994,

3.5057, 0.2524,

0.3176

0.2759

425.4572, 0.3001,
0.3182

■ 1.4011, 0.2325,
0.2577

■ 0.2175, 0.1153,
0.1608

■ 80.6256, 0.2909,
0.3102

■ 80.6256, 0.2909,
0.3102

■ 69.9454, 0.2745,
0.2948

■ 92.4420, 0.3067,
0.3240

■ 60.3533, 0.2579,
0.2779

99.8089, 0.3144,
0.3318

■ 51.8120, 0.2414,
0.2597

■ 44.2780, 0.2255,
0.2402

■ 37.7041, 0.2108,
0.2201

■ 32.0383, 0.1979,
0.1998

■ 27.2216, 0.1871,
0.1798

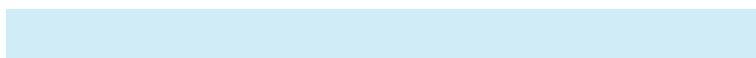
■ 23.1846, 0.1789,
0.1608

■ 21.0479, 0.1750,
0.1498

Harmonies

Analogous

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



80.6256, 0.2885, 0.3179



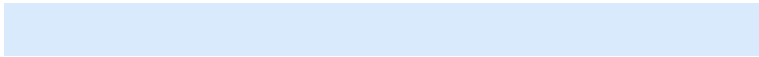
80.6256, 0.2909, 0.3102



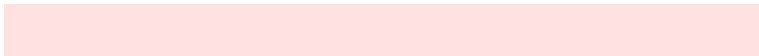
80.6256, 0.2991, 0.3076

Triad

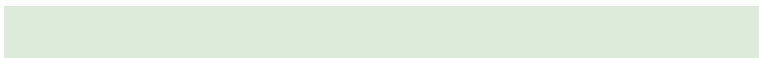
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.6256, 0.2909, 0.3102



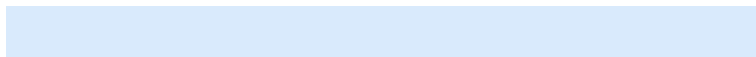
80.6256, 0.3334, 0.3286



80.6256, 0.3141, 0.3484

Complementary

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



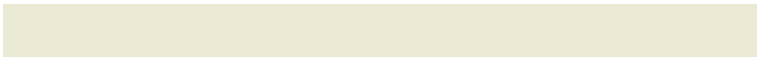
80.6256, 0.2909, 0.3102



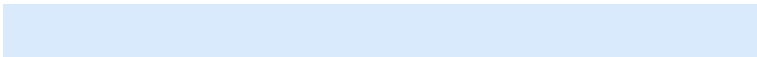
85.1266, 0.3359, 0.3471

Split Complementary

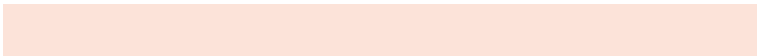
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.6256, 0.3262, 0.3511



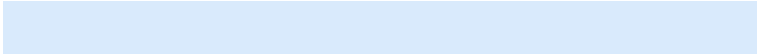
80.6256, 0.2909, 0.3102



80.6256, 0.3376, 0.3394

Square

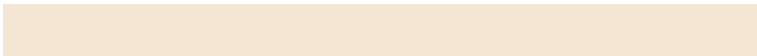
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6256, 0.2909, 0.3102



80.6256, 0.3236, 0.3182



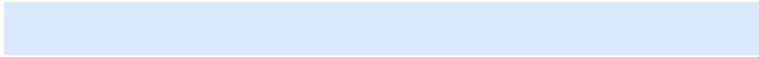
80.6256, 0.3349, 0.3477



80.6256, 0.3017, 0.3402

Rectangle

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



80.6256, 0.2909, 0.3102



80.6256, 0.3068, 0.3090



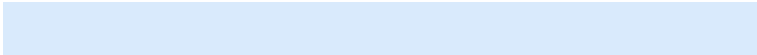
80.6256, 0.3349, 0.3477



80.6256, 0.3183, 0.3500

Sweetspot

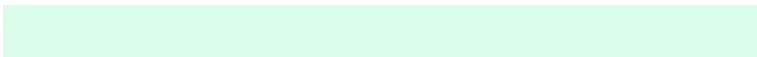
The Sweet Spot groups the original color and five complimentary colors.



80.6290, 0.2909, 0.3102



94.8151, 0.3066, 0.3239



90.3485, 0.3011, 0.3472



20.0902, 0.3054, 0.3229



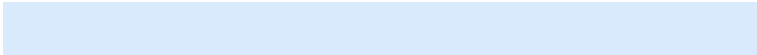
0.0000, 0.0000, 0.0000



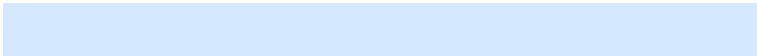
21.4041, 0.3127, 0.3290

Same Dimension

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



80.6290, 0.2909, 0.3102



79.2765, 0.2858, 0.3056



71.4060, 0.2903, 0.2920



18.0347, 0.2980, 0.3165



11.2557, 0.1758, 0.1528



1.2538, 0.1819, 0.1747

Inverse Universe

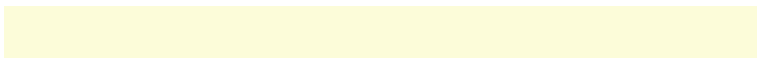
The Inverse Universe completely reimagines the original color for something new.



76.2636, 0.3265, 0.3120



74.0386, 0.3302, 0.3080



95.3344, 0.3336, 0.3635



17.3657, 0.3217, 0.3175



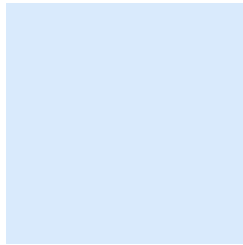
11.5472, 0.5023, 0.2541



1.0908, 0.4749, 0.2390

Previews

White Background



This preview shows how the Yxy color 80.6256, 0.2909, 0.3102 looks on a white background.

Color Contrast Check

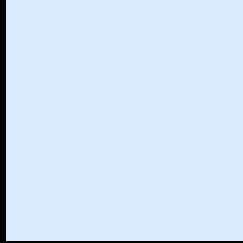
Large Text (above 18pt) WCAG AA × Fail

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 80.6256, 0.2909, 0.3102 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

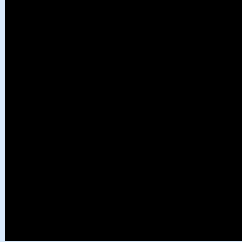
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

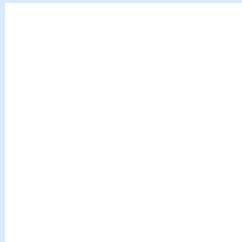
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 80.6256, 0.2909, 0.3102

Background



This preview shows how black text looks on a background with the Yxy color 80.6256, 0.2909, 0.3102.

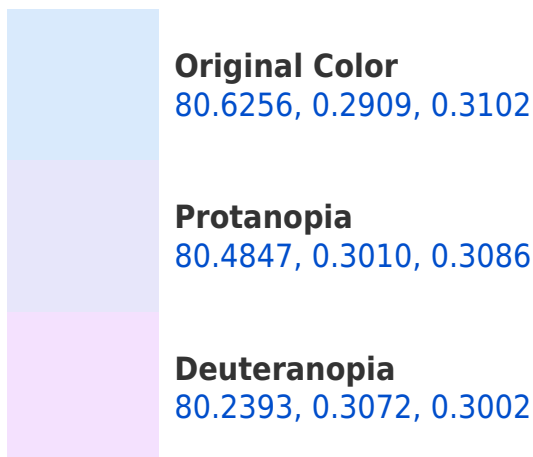


This preview shows how white text looks on a background with the Yxy color 80.6256, 0.2909, 0.3102.

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

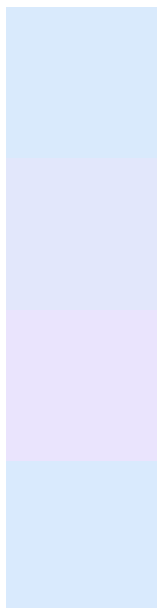




Tritanopia

80.6892, 0.2903, 0.3092

Trichromacy



Original Color

80.6256, 0.2909, 0.3102

Protanomaly

80.2856, 0.2971, 0.3084

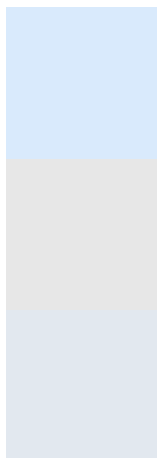
Deuteranomaly

80.0711, 0.3011, 0.3037

Tritanomaly

80.6892, 0.2903, 0.3092

Monochromacy



Original Color

80.6256, 0.2909, 0.3102

Achromatopsia

79.9103, 0.3127, 0.3290

Achromatomaly

80.1140, 0.3044, 0.3217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.6256, 0.2909, 0.3102 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(217, 234, 252)` looks like.

```
.text, #text, p{  
    color:rgb(217, 234, 252)  
}
```

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(217, 234, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 234, 252) }
```

Border

The CSS property to change the border of an element to Yxy 80.6256, 0.2909, 0.3102 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(217, 234, 252) }
```

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

```
.border{ border-color:rgb(217, 234, 252) }
```

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

Here you see how a box with a 4 pixel rgb(217, 234, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 234, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 234, 252);  
box-shadow:4px 4px 4px 4px rgb(217, 234,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 80.6256, 0.2909, 0.3102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 234, 252) }
```

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

```
.background{ background-color: rgb(217,  
234, 252) }
```

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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