

Converting Colors

Yxy(82.5354, 0.2897, 0.2926)

Have a look what the booklet for
Yxy(82.5354, 0.2897, 0.2926)
contains.

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Color

Yxy(81.7562, 0.2974, 0.3056)

Conversions

Conversions Part 1

Format	Color
Hex	E6E8FF
RGB	230, 232, 255
RGB Percent	90%, 91%, 100%
CMY	0.0977, 0.0903, 0.0000
CMYK	0.10, 0.09, 0.00, 0.00
HSL	235°, 100%, 95%
HSV	235°, 10%, 100%
XYZ	79.5625, 81.7562, 106.2082
YIQ	234.0240, -8.5750, 6.7290

Conversions

Conversions Part 2

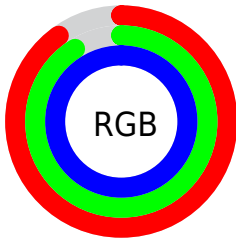
Format	Color
R _{YB}	230, 232, 255
Decimal	15132927
CIE _{Lab}	92.47, 3.69, -11.34
CIE _{LCh}	92, 11.922, 288.041
Yxy	81.7562, 0.2974, 0.3056
Android (android.graphics.Color)	4293323007 (0xFFE6E8FF)
YUV	234.0240, 10.3412, -3.5290
Hunter-Lab	90.4191, -1.1660, -6.3498

Details

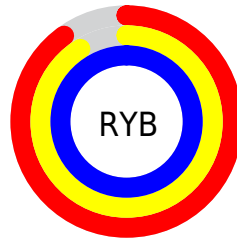
The Yxy color **81.7562, 0.2974, 0.3056** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.2990, 0.3275, 0.3514**, and the grayscale version is **82.2338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.1266, 0.2938, 0.3002** is the 20% darker color. If you saturate the color by 10%, you get **65.4534, 0.2799, 0.2785**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

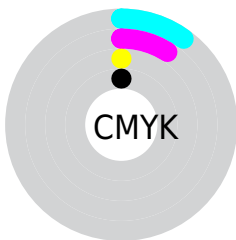
Distribution



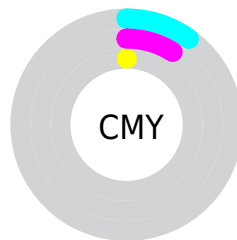
- Red (90%)
- Green (91%)
- Blue (100%)



- Red (90%)
- Yellow (91%)
- Blue (100%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 81.7562, 0.2974, 0.3056 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 81.7562, 0.2974, 0.3056 by changing the saturation by 10% instead.

81.7562, 0.2974,
0.3056

81.7562, 0.2974,
0.3056

500.8318, 0.3044,
0.3161

61.1646, 0.2958,
0.3033

135.8321, 0.2998,
0.3092

44.3580, 0.2939,
0.3004

170.0851, 0.3007,
0.3106

30.9521, 0.2915,
0.2969

209.6607, 0.3015,
0.3118

20.5624, 0.2885,
0.2924

254.9434, 0.3022,
0.3129

12.8045, 0.2843,
0.2864

306.3174, 0.3029,
0.3138

7.2940, 0.2785,
0.2780

364.1672, 0.3034,

3.6467, 0.2698,

0.3147

0.2657

428.8772, 0.3039,
0.3154

■ 1.4779, 0.2553,
0.2457

■ 0.2731, 0.2035,
0.1589

■ 81.7562, 0.2974,
0.3056

■ 81.7562, 0.2974,
0.3056

■ 65.4534, 0.2799,
0.2785

100.0000, 0.3127,
0.3290

■ 51.4474, 0.2606,
0.2484

■ 39.6369, 0.2401,
0.2158

■ 29.9105, 0.2190,
0.1819

■ 22.1467, 0.1987,
0.1485

■ 16.2118, 0.1806,
0.1179

■ 11.9550, 0.1661,
0.0925

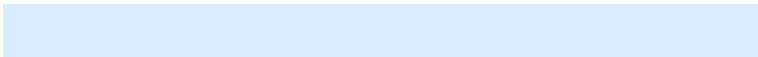
■ 9.2011, 0.1562,
0.0742

■ 7.7199, 0.1511,
0.0637

Harmonies

Analogous

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



81.7562, 0.2886, 0.3085



81.7562, 0.2974, 0.3056



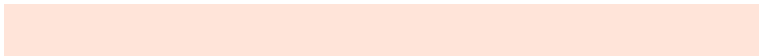
81.7562, 0.3104, 0.3087

Triad

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



81.7562, 0.2974, 0.3056



81.7562, 0.3400, 0.3400



81.7562, 0.3010, 0.3416

Complementary

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



81.7562, 0.2974, 0.3056



97.2990, 0.3275, 0.3514

Split Complementary

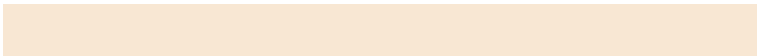
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.7562, 0.3146, 0.3505



81.7562, 0.2974, 0.3056



81.7562, 0.3373, 0.3493

Square

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



81.7562, 0.2974, 0.3056



81.7562, 0.3352, 0.3282



81.7562, 0.3279, 0.3533



81.7562, 0.2907, 0.3292

Rectangle

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



81.7562, 0.2974, 0.3056



81.7562, 0.3198, 0.3137



81.7562, 0.3279, 0.3533



81.7562, 0.3053, 0.3451

Sweetspot

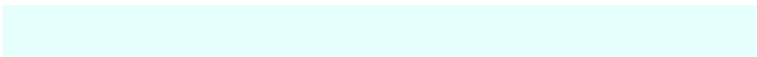
The Sweet Spot groups the original color and five complimentary colors.



81.7585, 0.2974, 0.3056



94.1496, 0.3082, 0.3221



95.4448, 0.2988, 0.3310



19.8253, 0.3070, 0.3203



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.



81.7585, 0.2974, 0.3056



77.9165, 0.2937, 0.2999



82.4706, 0.3042, 0.3042



17.5989, 0.2978, 0.3063



4.1003, 0.1513, 0.0647



0.4723, 0.1542, 0.0750

Inverse Universe

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



83.7282, 0.3287, 0.3272



80.3172, 0.3329, 0.3267



96.5825, 0.3207, 0.3536



18.0094, 0.3282, 0.3272



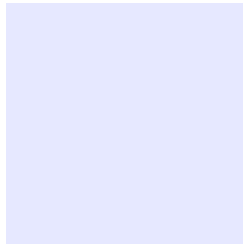
11.1419, 0.6322, 0.3256



1.0922, 0.6150, 0.3162

Previews

White Background



This preview shows how the Yxy color 81.7562, 0.2974, 0.3056 looks on a white background.

Color Contrast Check

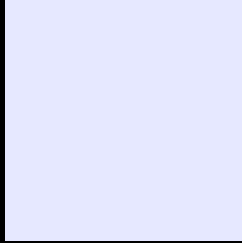
Large Text (above 18pt) WCAG AA × Fail

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 81.7562, 0.2974, 0.3056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

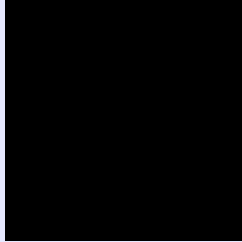
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 81.7562, 0.2974, 0.3056

Background



This preview shows how black text looks on a background with the Yxy color 81.7562, 0.2974, 0.3056.

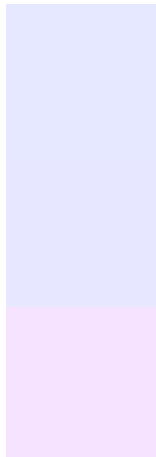


This preview shows how white text looks on a background with the Yxy color 81.7562, 0.2974, 0.3056.

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

81.7562, 0.2974, 0.3056

Protanopia

81.9221, 0.2980, 0.3057

Deuteranopia

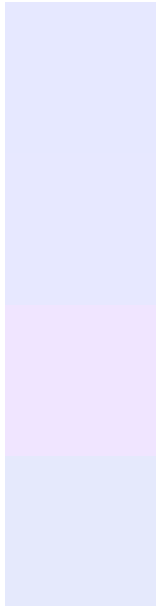
81.5706, 0.3072, 0.3013



Tritanopia

81.9009, 0.2991, 0.3106

Trichromacy



Original Color

81.7562, 0.2974, 0.3056

Protanomaly

81.9221, 0.2980, 0.3057

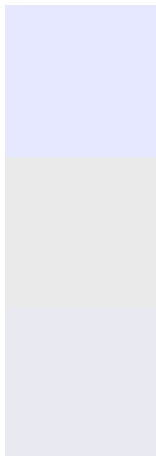
Deuteranomaly

81.7839, 0.3039, 0.3031

Tritanomaly

81.9641, 0.2985, 0.3096

Monochromacy



Original Color

81.7562, 0.2974, 0.3056

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.0123, 0.3071, 0.3198

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.7562, 0.2974, 0.3056 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(230, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 232, 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(230, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 81.7562, 0.2974, 0.3056 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(230, 232, 255) }
```

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

```
.border{ border-color:rgb(230, 232, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 232, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 81.7562, 0.2974, 0.3056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 232, 255) }
```

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

```
.background{ background-color: rgb(230,  
232, 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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