

Converting Colors

$Y_{xy}(82.8020, 0.2987, 0.3070)$

Have a look what the booklet for
Yxy(82.8020, 0.2987, 0.3070)
contains.

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Color

Yxy(82.6536, 0.2986, 0.3068)

Conversions

Conversions Part 1

Format	Color
Hex	E8E9FF
RGB	232, 233, 255
RGB Percent	91%, 91%, 100%
CMY	0.0905, 0.0861, 0.0001
CMYK	0.09, 0.09, 0.00, 0.00
HSL	237°, 100%, 95%
HSV	237°, 9%, 100%
XYZ	80.4445, 82.6536, 106.3074
YIQ	235.2090, -7.6580, 6.6300

Conversions

Conversions Part 2

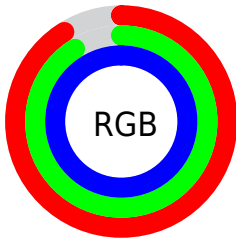
Format	Color
R _{YB}	232, 233, 255
Decimal	15264255
CIE Lab	92.86, 3.72, -10.72
CIE LCh	93, 11.345, 289.157
Yxy	82.6536, 0.2986, 0.3068
Android (android.graphics.Color)	4293454335 (0xFFE8E9FF)
YUV	235.2090, 9.7570, -2.8143
Hunter-Lab	90.9140, -1.1554, -5.6890

Details

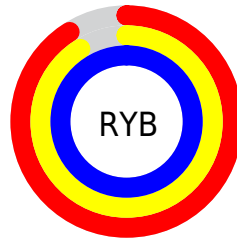
The Yxy color **82.6536, 0.2986, 0.3068** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **97.8776, 0.3263, 0.3503**, and the grayscale version is **83.1669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **44.7516, 0.2954, 0.3017** is the 20% darker color. If you saturate the color by 10%, you get **65.8887, 0.2811, 0.2791**, and if you desaturate by 10%, it is **99.9990, 0.3127, 0.3290**.

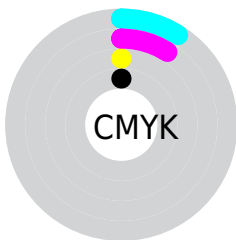
Distribution



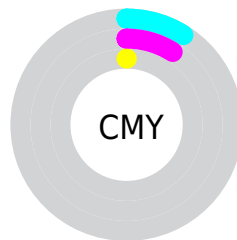
- Red (91%)
- Green (91%)
- Blue (100%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6536, 0.2986, 0.3068 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 82.6536, 0.2986, 0.3068 by changing the saturation by 10% instead.

82.6536, 0.2986,
0.3068

82.6536, 0.2986,
0.3068

503.8313, 0.3050,
0.3168

61.9044, 0.2972,
0.3046

137.0902, 0.3008,
0.3102

44.9555, 0.2954,
0.3019

171.5464, 0.3017,
0.3115

31.4224, 0.2932,
0.2986

211.3404, 0.3024,
0.3127

20.9207, 0.2904,
0.2943

256.8566, 0.3031,
0.3137

13.0660, 0.2866,
0.2887

308.4794, 0.3036,
0.3146

7.4740, 0.2813,
0.2808

366.5932, 0.3041,

3.7603, 0.2733,

0.3154

0.2692

431.5824, 0.3046,
0.3161

■ 1.5404, 0.2600,
0.2504

■ 0.3169, 0.2167,
0.1752

■ 82.6536, 0.2986,
0.3068

■ 82.6536, 0.2986,
0.3068

■ 65.8887, 0.2811,
0.2791

99.9990, 0.3127,
0.3290

■ 51.5249, 0.2618,
0.2483

■ 39.4555, 0.2411,
0.2149

■ 29.5617, 0.2198,
0.1802

■ 21.7137, 0.1991,
0.1462

■ 15.7684, 0.1806,
0.1153

■ 11.5639, 0.1658,
0.0899

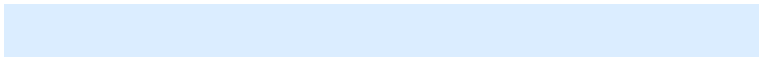
■ 8.9113, 0.1559,
0.0722

■ 7.5670, 0.1509,
0.0626

Harmonies

Analogous

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



82.6536, 0.2901, 0.3094



82.6536, 0.2986, 0.3068



82.6536, 0.3110, 0.3099

Triad

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



82.6536, 0.2986, 0.3068



82.6536, 0.3386, 0.3399



82.6536, 0.3012, 0.3405

Complementary

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



82.6536, 0.2986, 0.3068



97.8776, 0.3263, 0.3503

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.



82.6536, 0.3140, 0.3492



82.6536, 0.2986, 0.3068



82.6536, 0.3357, 0.3485

Square

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



82.6536, 0.2986, 0.3068



82.6536, 0.3343, 0.3287



82.6536, 0.3267, 0.3520



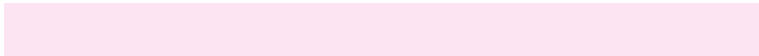
82.6536, 0.2916, 0.3288

Rectangle

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



82.6536, 0.2986, 0.3068



82.6536, 0.3199, 0.3148



82.6536, 0.3267, 0.3520



82.6536, 0.3052, 0.3439

Sweetspot

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



82.6571, 0.2986, 0.3068



94.0210, 0.3082, 0.3219



95.7968, 0.2993, 0.3301



19.7907, 0.3070, 0.3200



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.



82.6571, 0.2986, 0.3068



79.1998, 0.2953, 0.3017



83.8142, 0.3054, 0.3061



17.5188, 0.2978, 0.3056



3.9738, 0.1508, 0.0629



0.4344, 0.1527, 0.0697

Inverse Universe

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



84.8076, 0.3278, 0.3279



81.7894, 0.3315, 0.3277



96.6728, 0.3196, 0.3518



18.0013, 0.3287, 0.3279



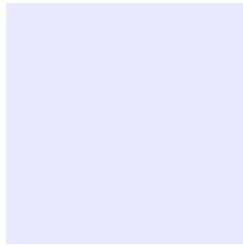
11.1291, 0.6352, 0.3273



1.0884, 0.6238, 0.3210

Previews

White Background



This preview shows how the Yxy color 82.6536, 0.2986, 0.3068 looks on a white background.

Color Contrast Check

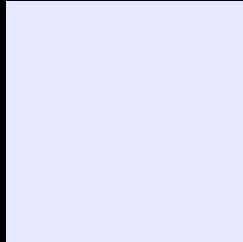
Large Text (above 18pt) WCAG AA × Fail

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 82.6536, 0.2986, 0.3068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

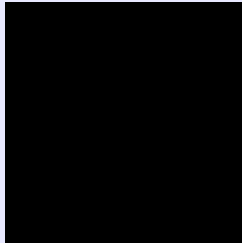
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6536, 0.2986, 0.3068

Background



This preview shows how black text looks on a background with the Yxy color 82.6536, 0.2986, 0.3068.



This preview shows how white text looks on a background with the Yxy color 82.6536, 0.2986, 0.3068.

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

82.6536, 0.2986, 0.3068

Protanopia

82.8215, 0.2993, 0.3068

Deuteranopia

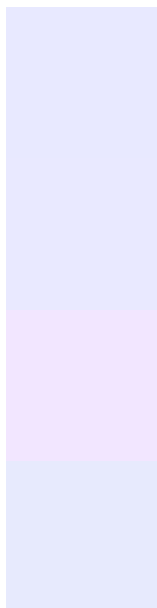
82.4810, 0.3086, 0.3024



Tritanopia

82.8628, 0.2998, 0.3107

Trichromacy



Original Color

82.6536, 0.2986, 0.3068

Protanomaly

82.8215, 0.2993, 0.3068

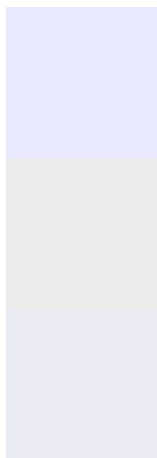
Deuteranomaly

82.6909, 0.3052, 0.3042

Tritanomaly

82.9264, 0.2992, 0.3097

Monochromacy



Original Color

82.6536, 0.2986, 0.3068

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

82.7489, 0.3078, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6536, 0.2986, 0.3068 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(232, 233, 255)` looks like.

```
.text, #text, p{  
    color:rgb(232, 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(232, 233, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 233, 255) }
```

Border

The CSS property to change the border of an element to Yxy 82.6536, 0.2986, 0.3068 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(232, 233, 255) }
```

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

```
.border{ border-color:rgb(232, 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(232, 233, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 233, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 233, 255);  
box-shadow:4px 4px 4px 4px rgb(232, 233,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6536, 0.2986, 0.3068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 233, 255) }
```

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

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