

Converting Colors

$Yxy(81.0211, 0.2939, 0.3052)$

Have a look what the booklet for
Yxy(81.0211, 0.2939, 0.3052)
contains.

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Color

Yxy(80.9408, 0.2942, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	E1E8FF
RGB	225, 232, 255
RGB Percent	88%, 91%, 100%
CMY	0.1174, 0.0902, 0.0000
CMYK	0.12, 0.09, 0.00, 0.00
HSL	226°, 100%, 94%
HSV	226°, 12%, 100%
XYZ	77.9724, 80.9408, 106.1188
YIQ	232.5290, -11.5550, 5.6690

Conversions

Conversions Part 2

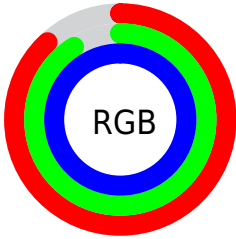
Format	Color
R _Y B	225, 231, 255
Decimal	14805247
CIE Lab	92.11, 2.09, -11.90
CIE LCh	92, 12.087, 279.965
Yxy	80.9408, 0.2942, 0.3054
Android (android.graphics.Color)	4292995327 (0xFFE1E8FF)
YUV	232.5290, 11.0782, -6.6029
Hunter-Lab	89.9671, -2.7406, -6.9573

Details

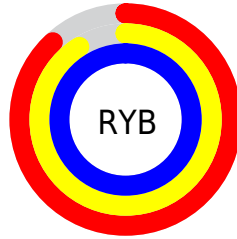
The Yxy color **80.9408, 0.2942, 0.3054** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **93.8822, 0.3311, 0.3515**, and the grayscale version is **81.0438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **43.6739, 0.2905, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **66.7186, 0.2769, 0.2825**, and if you desaturate by 10%, it is **97.0129, 0.3101, 0.3257**.

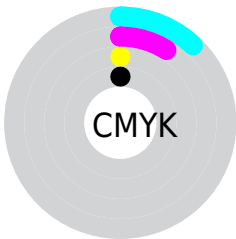
Distribution



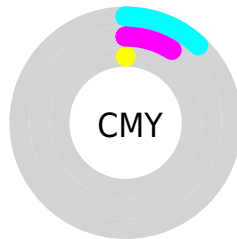
- Red (88%)
- Green (91%)
- Blue (100%)



- Red (88%)
- Yellow (91%)
- Blue (100%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (9%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 80.9408, 0.2942, 0.3054 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 80.9408, 0.2942, 0.3054 by changing the saturation by 10% instead.

80.9408, 0.2942,
0.3054

80.9408, 0.2942,
0.3054

498.0978, 0.3026,
0.3160

60.4928, 0.2923,
0.3030

134.6876, 0.2971,
0.3090

43.8160, 0.2900,
0.3002

168.7553, 0.2982,
0.3105

30.5259, 0.2871,
0.2965

208.1317, 0.2992,
0.3117

20.2381, 0.2834,
0.2919

253.2011, 0.3000,
0.3128

12.5682, 0.2785,
0.2858

304.3481, 0.3008,
0.3137

7.1319, 0.2715,
0.2772

361.9569, 0.3015,

3.5447, 0.2611,

0.3146

0.2644

426.4120, 0.3021,
0.3154

■ 1.4223, 0.2437,
0.2436

■ 0.2331, 0.1707,
0.1460

■ 80.9408, 0.2942,
0.3054

■ 80.9408, 0.2942,
0.3054

■ 66.7186, 0.2769,
0.2825

■ 97.0129, 0.3101,
0.3257

■ 54.2688, 0.2585,
0.2572

99.9999, 0.3127,
0.3290

■ 43.5234, 0.2393,
0.2297

■ 34.4059, 0.2201,
0.2008

■ 26.8339, 0.2016,
0.1714

■ 20.7172, 0.1851,
0.1432

■ 15.9553, 0.1715,
0.1176

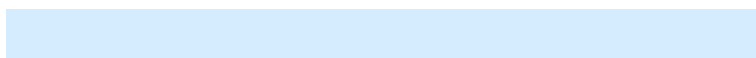
■ 12.4335, 0.1616,
0.0962

■ 10.3437, 0.1562,
0.0824

Harmonies

Analogous

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



80.9408, 0.2869, 0.3100



80.9408, 0.2942, 0.3054



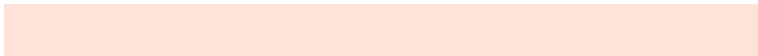
80.9408, 0.3065, 0.3069

Triad

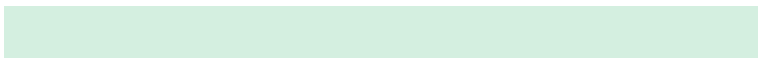
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9408, 0.2942, 0.3054



80.9408, 0.3399, 0.3371



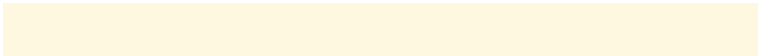
80.9408, 0.3043, 0.3448

Complementary

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



80.9408, 0.2942, 0.3054



93.8822, 0.3311, 0.3515

Split Complementary

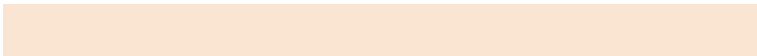
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.9408, 0.3184, 0.3523



80.9408, 0.2942, 0.3054



80.9408, 0.3392, 0.3475

Square

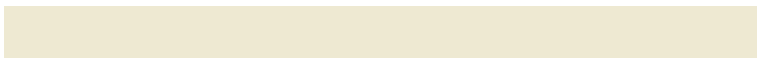
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9408, 0.2942, 0.3054



80.9408, 0.3331, 0.3249



80.9408, 0.3312, 0.3532



80.9408, 0.2926, 0.3327

Rectangle

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



80.9408, 0.2942, 0.3054



80.9408, 0.3161, 0.3111



80.9408, 0.3312, 0.3532



80.9408, 0.3089, 0.3479

Sweetspot

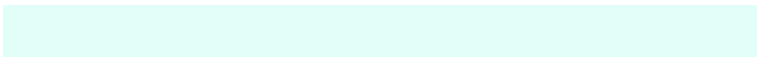
The Sweet Spot groups the original color and five complimentary colors.



80.9442, 0.2942, 0.3054



93.2150, 0.3066, 0.3214



94.3156, 0.2985, 0.3360



19.6860, 0.3055, 0.3199



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.



80.9442, 0.2942, 0.3054



77.5686, 0.2904, 0.3005



78.4380, 0.2993, 0.2986



18.0591, 0.2979, 0.3102



5.5904, 0.1569, 0.0848



0.7017, 0.1625, 0.1051

Inverse Universe

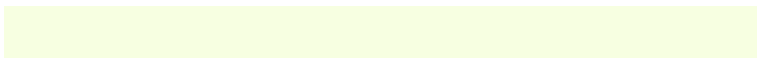
The Inverse Universe completely reimagines the original color for something new.



80.9715, 0.3292, 0.3222



77.6564, 0.3329, 0.3208



96.7362, 0.3252, 0.3586



18.0559, 0.3258, 0.3235



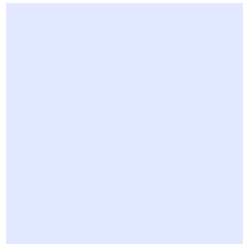
11.2923, 0.5993, 0.3075



1.1154, 0.5683, 0.2904

Previews

White Background



This preview shows how the Yxy color 80.9408, 0.2942, 0.3054 looks on a white background.

Color Contrast Check

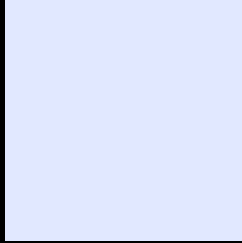
Large Text (above 18pt) WCAG AA × Fail

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 80.9408, 0.2942, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

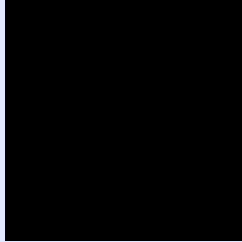
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 80.9408, 0.2942, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 80.9408, 0.2942, 0.3054.



This preview shows how white text looks on a background with the Yxy color 80.9408, 0.2942, 0.3054.

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

80.9408, 0.2942, 0.3054

Protanopia

81.1306, 0.2979, 0.3056

Deuteranopia

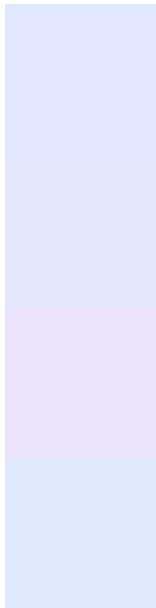
80.6674, 0.3059, 0.3002



Tritanopia

81.0902, 0.2959, 0.3104

Trichromacy



Original Color

80.9408, 0.2942, 0.3054

Protanomaly

80.8016, 0.2966, 0.3055

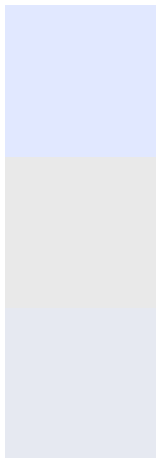
Deuteranomaly

80.5397, 0.3012, 0.3018

Tritanomaly

81.1534, 0.2953, 0.3094

Monochromacy



Original Color

80.9408, 0.2942, 0.3054

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

81.4517, 0.3058, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.9408, 0.2942, 0.3054 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(225, 232, 255)` looks like.

```
.text, #text, p{  
    color:rgb(225, 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(225, 232, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 232, 255) }
```

Border

The CSS property to change the border of an element to Yxy 80.9408, 0.2942, 0.3054 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(225, 232, 255) }
```

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

```
.border{ border-color:rgb(225, 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(225, 232, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 232, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 232, 255);  
box-shadow:4px 4px 4px 4px rgb(225, 232,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 80.9408, 0.2942, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 232, 255) }
```

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

```
.background{ background-color: rgb(225,  
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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