

Converting Colors

Yxy(84.2813, 0.3027, 0.3080)

Have a look what the booklet for
Yxy(84.2813, 0.3027, 0.3080)
contains.

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Color

Yxy(84.2428, 0.3025, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	EEEEFF
RGB	238, 234, 255
RGB Percent	93%, 92%, 100%
CMY	0.0666, 0.0824, 0.0000
CMYK	0.07, 0.08, 0.00, 0.00
HSL	251°, 100%, 96%
HSV	251°, 8%, 100%
XYZ	82.7385, 84.2428, 106.5343
YIQ	237.5900, -4.3570, 7.3790

Conversions

Conversions Part 2

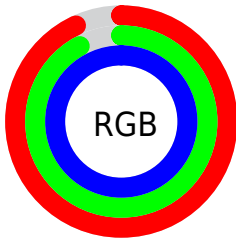
Format	Color
R _Y B	238, 234, 255
Decimal	15657727
CIE Lab	93.56, 5.19, -9.66
CIE LCh	94, 10.967, 298.234
Yxy	84.2428, 0.3025, 0.3080
Android (android.graphics.Color)	4293847807 (0xFFEEEEAFF)
YUV	237.5900, 8.5831, 0.3596
Hunter-Lab	91.7839, 0.2868, -4.5697

Details

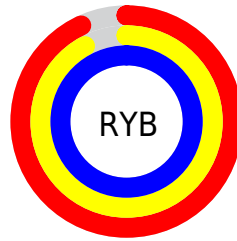
The Yxy color **84.2428, 0.3025, 0.3080** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **97.9681, 0.3224, 0.3495**, and the grayscale version is **85.1029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8631, 0.3004, 0.3034** is the 20% darker color. If you saturate the color by 10%, you get **67.3853, 0.2884, 0.2798**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

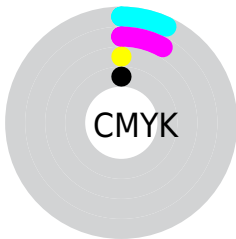
Distribution



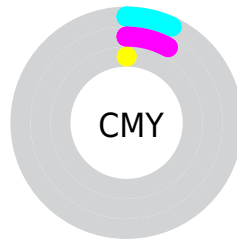
- Red (93%)
- Green (92%)
- Blue (100%)



- Red (93%)
- Yellow (92%)
- Blue (100%)



- Cyan (7%)
- Magenta (8%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2428, 0.3025, 0.3080 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 84.2428, 0.3025, 0.3080 by changing the saturation by 10% instead.


 84.2428, 0.3025,
0.3080

 84.2428, 0.3025,
0.3080

509.1192, 0.3071,
0.3174

 63.2159, 0.3015,
0.3059


139.3148, 0.3041,
0.3112

 46.0159, 0.3002,
0.3034


174.1286, 0.3047,
0.3124

 32.2584, 0.2986,
0.3003


214.3070, 0.3053,
0.3135

 21.5589, 0.2965,
0.2963

260.2341, 0.3057,
0.3145

 13.5332, 0.2938,
0.2911

312.2945, 0.3061,
0.3153

 7.7967, 0.2899,
0.2838

370.8726, 0.3065,

 3.9651, 0.2841,

0.3161

0.2732

436.3527, 0.3068,
0.3168

■ 1.6541, 0.2744,
0.2561

■ 0.3937, 0.2497,
0.1963

■ 84.2428, 0.3025,
0.3080

■ 84.2428, 0.3025,
0.3080

■ 67.3853, 0.2884,
0.2798

100.0000, 0.3127,
0.3290

■ 52.9227, 0.2725,
0.2489

■ 40.7466, 0.2549,
0.2158

■ 30.7386, 0.2360,
0.1818

■ 22.7696, 0.2168,
0.1486

■ 16.6966, 0.1983,
0.1184

■ 12.3577, 0.1818,
0.0935

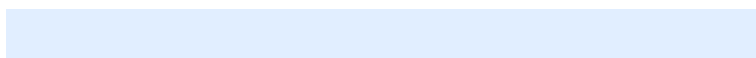
■ 9.5630, 0.1685,
0.0758

■ 8.0562, 0.1592,
0.0656

Harmonies

Analogous

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



84.2428, 0.2929, 0.3088



84.2428, 0.3025, 0.3080



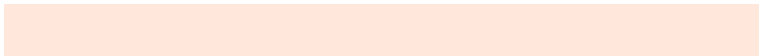
84.2428, 0.3150, 0.3125

Triad

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



84.2428, 0.3025, 0.3080



84.2428, 0.3375, 0.3423



84.2428, 0.2984, 0.3368

Complementary

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



84.2428, 0.3025, 0.3080



97.9681, 0.3224, 0.3495

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.



84.2428, 0.3101, 0.3463



84.2428, 0.3025, 0.3080



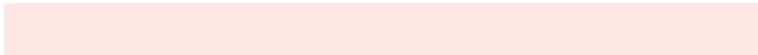
84.2428, 0.3327, 0.3493

Square

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



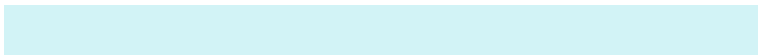
84.2428, 0.3025, 0.3080



84.2428, 0.3354, 0.3321



84.2428, 0.3227, 0.3509



84.2428, 0.2906, 0.3253

Rectangle

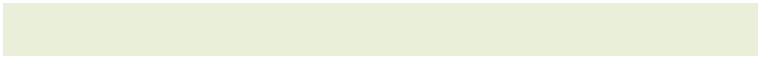
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2428, 0.3025, 0.3080



84.2428, 0.3233, 0.3180



84.2428, 0.3227, 0.3509



84.2428, 0.3020, 0.3404

Sweetspot

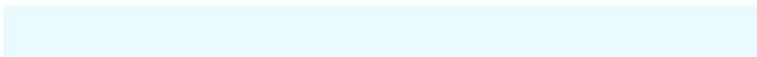
The Sweet Spot groups the original color and five complimentary colors.



84.2442, 0.3025, 0.3080



96.0148, 0.3104, 0.3241



93.8005, 0.2999, 0.3252



20.5929, 0.3105, 0.3243



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.



84.2442, 0.3025, 0.3080



81.0904, 0.3002, 0.3033



86.0861, 0.3093, 0.3085



17.5446, 0.3008, 0.3046



4.1569, 0.1589, 0.0649



0.4467, 0.1685, 0.0702

Inverse Universe

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



87.0701, 0.3162, 0.3126



84.4862, 0.3170, 0.3090



96.0997, 0.3159, 0.3499



18.2374, 0.3167, 0.3100



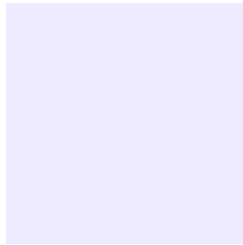
13.4667, 0.3761, 0.1846



1.3258, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 84.2428, 0.3025, 0.3080 looks on a white background.

Color Contrast Check

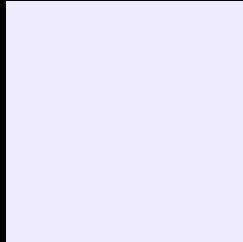
Large Text (above 18pt) WCAG AA × Fail

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 84.2428, 0.3025, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

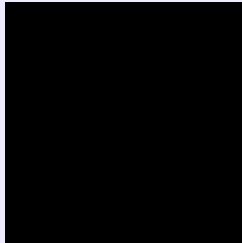
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 84.2428, 0.3025, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 84.2428, 0.3025, 0.3080.



This preview shows how white text looks on a background with the Yxy color 84.2428, 0.3025, 0.3080.

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

84.2428, 0.3025, 0.3080

Protanopia

84.2988, 0.3006, 0.3089

Deuteranopia

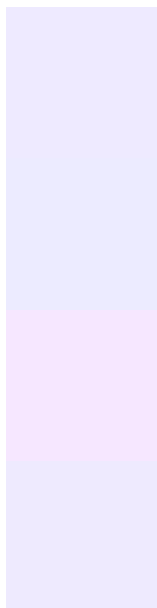
84.1376, 0.3105, 0.3046



Tritanopia

84.1146, 0.3037, 0.3100

Trichromacy



Original Color

84.2428, 0.3025, 0.3080

Protanomaly

84.4695, 0.3012, 0.3090

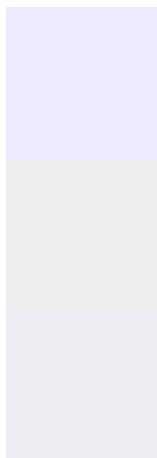
Deuteranomaly

83.9647, 0.3078, 0.3054

Tritanomaly

84.1785, 0.3031, 0.3090

Monochromacy



Original Color

84.2428, 0.3025, 0.3080

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

85.2772, 0.3091, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2428, 0.3025, 0.3080 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(238, 234, 255)` looks like.

```
.text, #text, p{  
    color:rgb(238, 234, 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(238, 234, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 234, 255) }
```

Border

The CSS property to change the border of an element to Yxy 84.2428, 0.3025, 0.3080 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(238, 234, 255) }
```

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

```
.border{ border-color:rgb(238, 234, 255) }
```

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

Here you see how a box with a 4 pixel rgb(238, 234, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 234, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 234, 255);  
box-shadow:4px 4px 4px 4px rgb(238, 234,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2428, 0.3025, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 234, 255) }
```

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

```
.background{ background-color: rgb(238,  
234, 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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