

Converting Colors

$Yxy(89.5764, 0.3019, 0.3175)$

Have a look what the booklet for
Yxy(89.5764, 0.3019, 0.3175)
contains.

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Color

Yxy(89.3257, 0.3018, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	EDF3FF
RGB	237, 243, 255
RGB Percent	93%, 95%, 100%
CMY	0.0707, 0.0470, 0.0001
CMYK	0.07, 0.05, 0.00, 0.00
HSL	220°, 100%, 96%
HSV	220°, 7%, 100%
XYZ	85.0158, 89.3257, 107.3542
YIQ	242.5740, -7.4280, 2.4600

Conversions

Conversions Part 2

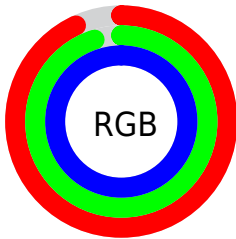
Format	Color
R _{YB}	237, 242, 255
Decimal	15594495
CIE Lab	95.72, 0.22, -6.45
CIE LCh	96, 6.449, 271.920
Yxy	89.3257, 0.3018, 0.3171
Android (android.graphics.Color)	4293784575 (0xFFEDF3FF)
YUV	242.5740, 6.1260, -4.8884
Hunter-Lab	94.5123, -4.8320, -1.1875

Details

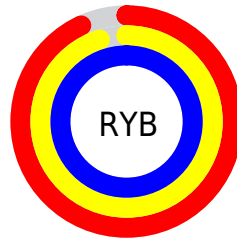
The Yxy color **89.3257, 0.3018, 0.3171** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **95.0837, 0.3237, 0.3406**, and the grayscale version is **89.2251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4416, 0.2996, 0.3150** is the 20% darker color. If you saturate the color by 10%, you get **75.5713, 0.2854, 0.2985**, and if you desaturate by 10%, it is **99.9990, 0.3127, 0.3290**.

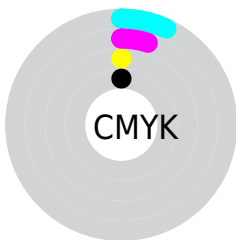
Distribution



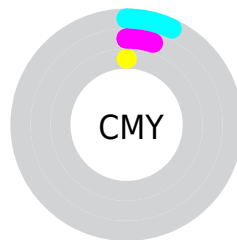
- Red (93%)
- Green (95%)
- Blue (100%)



- Red (93%)
- Yellow (95%)
- Blue (100%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3257, 0.3018, 0.3171 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 89.3257, 0.3018, 0.3171 by changing the saturation by 10% instead.

89.3257, 0.3018,
0.3171

89.3257, 0.3018,
0.3171

525.8349, 0.3067,
0.3224

67.4215, 0.3007,
0.3159

146.4014, 0.3035,
0.3189

49.4273, 0.2994,
0.3145

182.3417, 0.3041,
0.3196

34.9585, 0.2978,
0.3128

223.7295, 0.3047,
0.3202

23.6309, 0.2957,
0.3105

270.9492, 0.3052,
0.3208

15.0601, 0.2930,
0.3075

324.3852, 0.3056,
0.3213

8.8616, 0.2892,
0.3034

384.4219, 0.3060,

4.6510, 0.2837,

0.3217

0.2974

451.4437, 0.3064,
0.3221

■ 2.0440, 0.2747,
0.2877

■ 0.6328, 0.2539,
0.2648

■ 89.3257, 0.3018,
0.3171

■ 89.3257, 0.3018,
0.3171

■ 75.5713, 0.2854,
0.2985

99.9990, 0.3127,
0.3290

■ 63.3215, 0.2680,
0.2777

■ 52.5256, 0.2501,
0.2549

■ 43.1259, 0.2320,
0.2304

■ 35.0603, 0.2144,
0.2048

■ 28.2616, 0.1981,
0.1789

■ 22.6558, 0.1839,
0.1538

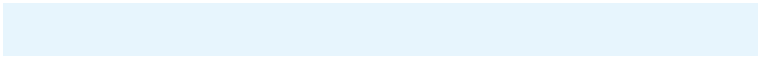
■ 18.1592, 0.1726,
0.1307

■ 14.6720, 0.1645,
0.1105

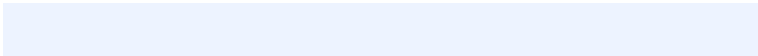
Harmonies

Analogous

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



89.3257, 0.2988, 0.3204



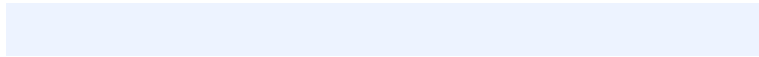
89.3257, 0.3018, 0.3171



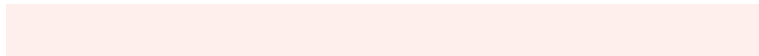
89.3257, 0.3077, 0.3169

Triad

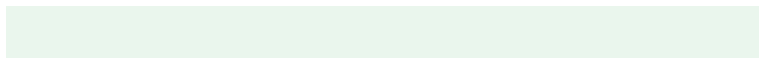
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.3257, 0.3018, 0.3171



89.3257, 0.3261, 0.3316



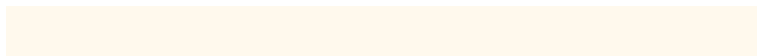
89.3257, 0.3103, 0.3384

Complementary

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



89.3257, 0.3018, 0.3171



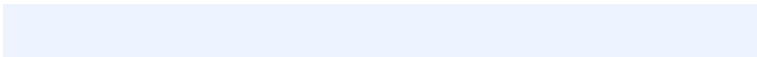
95.0837, 0.3237, 0.3406

Split Complementary

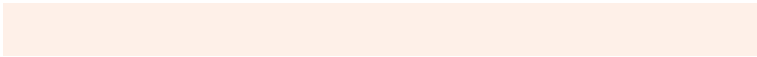
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3257, 0.3177, 0.3414



89.3257, 0.3018, 0.3171



89.3257, 0.3268, 0.3374

Square

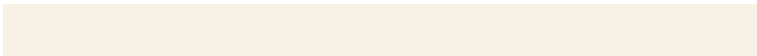
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3257, 0.3018, 0.3171



89.3257, 0.3217, 0.3253



89.3257, 0.3237, 0.3410



89.3257, 0.3037, 0.3327

Rectangle

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



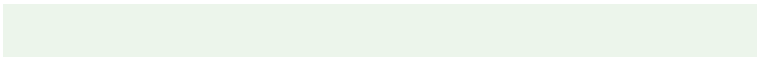
89.3257, 0.3018, 0.3171



89.3257, 0.3125, 0.3186



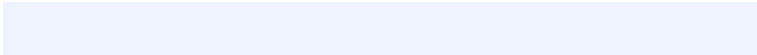
89.3257, 0.3237, 0.3410



89.3257, 0.3128, 0.3397

Sweetspot

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



89.3295, 0.3018, 0.3171



96.9026, 0.3097, 0.3257



96.3293, 0.3052, 0.3352



20.7737, 0.3098, 0.3259



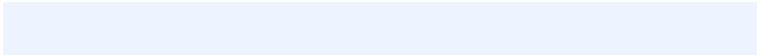
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



89.3295, 0.3018, 0.3171



87.9892, 0.3003, 0.3155



86.2386, 0.3036, 0.3111



18.3738, 0.2979, 0.3128



7.4601, 0.1634, 0.1081



0.9183, 0.1696, 0.1304

Inverse Universe

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



88.2807, 0.3210, 0.3231



86.8254, 0.3222, 0.3223



98.3712, 0.3215, 0.3465



18.0876, 0.3241, 0.3210



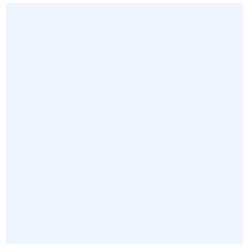
11.4811, 0.5638, 0.2880



1.1372, 0.5321, 0.2705

Previews

White Background



This preview shows how the Yxy color 89.3257, 0.3018, 0.3171 looks on a white background.

Color Contrast Check

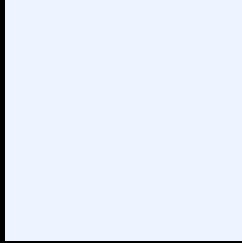
Large Text (above 18pt) WCAG AA × Fail

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 89.3257, 0.3018, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

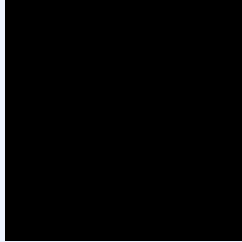
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

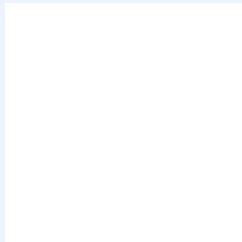
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.3257, 0.3018, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 89.3257, 0.3018, 0.3171.



This preview shows how white text looks on a background with the Yxy color 89.3257, 0.3018, 0.3171.

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

89.3257, 0.3018, 0.3171

Protanopia

89.2994, 0.3069, 0.3162

Deuteranopia

88.9202, 0.3148, 0.3136



Tritanopia

89.2495, 0.3037, 0.3161

Trichromacy



Original Color

89.3257, 0.3018, 0.3171

Protanomaly

89.3608, 0.3049, 0.3171

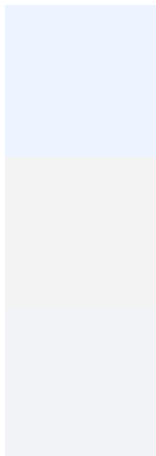
Deuteranomaly

88.8452, 0.3095, 0.3144

Tritanomaly

89.0750, 0.3031, 0.3161

Monochromacy



Original Color

89.3257, 0.3018, 0.3171

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5174, 0.3090, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3257, 0.3018, 0.3171 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(237, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 243, 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(237, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.3257, 0.3018, 0.3171 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(237, 243, 255) }
```

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

```
.border{ border-color:rgb(237, 243, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.3257, 0.3018, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 243, 255) }
```

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

```
.background{ background-color: rgb(237,  
243, 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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