

Converting Colors

$Yxy(89.6525, 0.3035, 0.3169)$

Have a look what the booklet for
Yxy(89.6525, 0.3035, 0.3169)
contains.

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Color

Yxy(89.8464, 0.3037, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	F0F3FF
RGB	240, 243, 255
RGB Percent	94%, 95%, 100%
CMY	0.0587, 0.0471, 0.0000
CMYK	0.06, 0.05, 0.00, 0.00
HSL	228°, 100%, 97%
HSV	228°, 6%, 100%
XYZ	86.0497, 89.8464, 107.4417
YIQ	243.4710, -5.6400, 3.0960

Conversions

Conversions Part 2

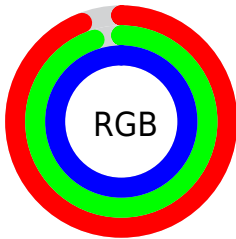
Format	Color
R _Y B	240, 243, 255
Decimal	15791103
CIE Lab	95.93, 1.23, -6.13
CIE LCh	96, 6.247, 281.330
Yxy	89.8464, 0.3037, 0.3171
Android (android.graphics.Color)	4293981183 (0xFFFF0F3FF)
YUV	243.4710, 5.6838, -3.0441
Hunter-Lab	94.7873, -3.8323, -0.8542

Details

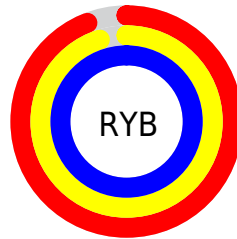
The Yxy color 89.8464, 0.3037, 0.3171 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 97.2059, 0.3217, 0.3406, and the grayscale version is 89.9845, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 49.8082, 0.3020, 0.3151 is the 20% darker color. If you saturate the color by 10%, you get 74.1165, 0.2872, 0.2948, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

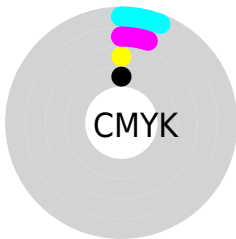
Distribution



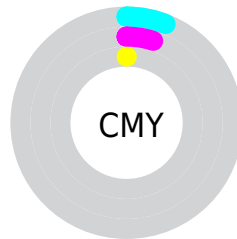
- Red (94%)
- Green (95%)
- Blue (100%)



- Red (94%)
- Yellow (95%)
- Blue (100%)



- Cyan (6%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)





- Cyan (6%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.8464, 0.3037, 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 89.8464, 0.3037, 0.3171 by changing the saturation by 10% instead.

 89.8464, 0.3037,
0.3171

 89.8464, 0.3037,
0.3171

527.5311, 0.3077,
0.3224

 67.8533, 0.3028,
0.3159

147.1250, 0.3051,
0.3189

 49.7784, 0.3017,
0.3145


183.1793, 0.3056,
0.3196

 35.2373, 0.3004,
0.3128

224.6894, 0.3061,
0.3202

 23.8457, 0.2987,
0.3106

272.0397, 0.3065,
0.3208

 15.2192, 0.2964,
0.3076

325.6146, 0.3068,
0.3212

 8.9734, 0.2933,
0.3036

385.7986, 0.3072,

 4.7238, 0.2887,

0.3217

0.2976

452.9759, 0.3075,
0.3220

■ 2.0862, 0.2813,
0.2882

■ 0.6568, 0.2653,
0.2664

■ 89.8464, 0.3037,
0.3171

■ 89.8464, 0.3037,
0.3171

■ 74.1165, 0.2872,
0.2948

100.0000, 0.3127,
0.3290

■ 60.3076, 0.2692,
0.2698

■ 48.3465, 0.2501,
0.2423

■ 38.1533, 0.2304,
0.2128

■ 29.6423, 0.2110,
0.1825

■ 22.7202, 0.1929,
0.1526

■ 17.2845, 0.1772,
0.1248

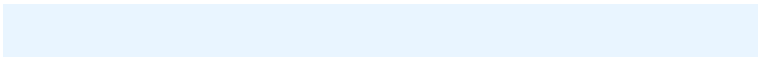
■ 13.2195, 0.1650,
0.1010

■ 10.3902, 0.1570,
0.0827

Harmonies

Analogous

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



89.8464, 0.2998, 0.3194



89.8464, 0.3037, 0.3171



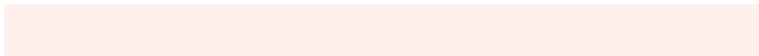
89.8464, 0.3100, 0.3179

Triad

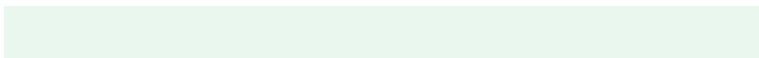
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.8464, 0.3037, 0.3171



89.8464, 0.3263, 0.3335



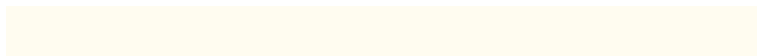
89.8464, 0.3083, 0.3366

Complementary

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



89.8464, 0.3037, 0.3171



97.2059, 0.3217, 0.3406

Split Complementary

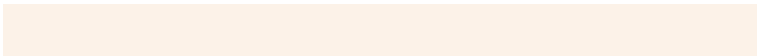
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8464, 0.3153, 0.3404



89.8464, 0.3037, 0.3171



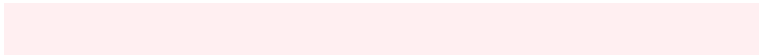
89.8464, 0.3258, 0.3385

Square

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



89.8464, 0.3037, 0.3171



89.8464, 0.3231, 0.3273



89.8464, 0.3217, 0.3411



89.8464, 0.3024, 0.3306

Rectangle

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



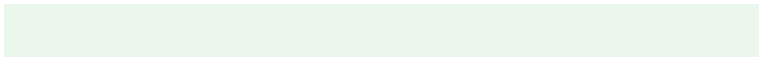
89.8464, 0.3037, 0.3171



89.8464, 0.3148, 0.3201



89.8464, 0.3217, 0.3411



89.8464, 0.3106, 0.3381

Sweetspot

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



89.8480, 0.3037, 0.3171



96.4610, 0.3097, 0.3251



97.0812, 0.3052, 0.3319



20.6837, 0.3099, 0.3253



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.



89.8480, 0.3037, 0.3171



87.9658, 0.3019, 0.3147



88.8920, 0.3066, 0.3143



18.6160, 0.3010, 0.3134



5.1407, 0.1553, 0.0789



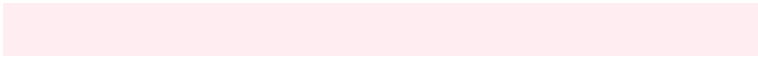
0.6443, 0.1605, 0.0979

Inverse Universe

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



90.0747, 0.3208, 0.3262



88.2464, 0.3225, 0.3256



98.2324, 0.3186, 0.3435



18.6825, 0.3234, 0.3253



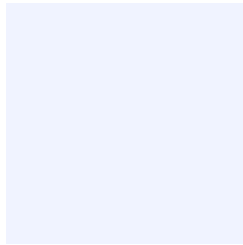
11.2469, 0.6087, 0.3127



1.1096, 0.5791, 0.2964

Previews

White Background



This preview shows how the Yxy color 89.8464, 0.3037, 0.3171 looks on a white background.

Color Contrast Check

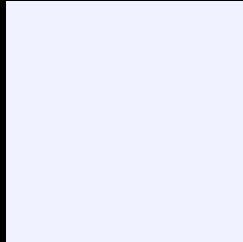
Large Text (above 18pt) WCAG AA × Fail

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 89.8464, 0.3037, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

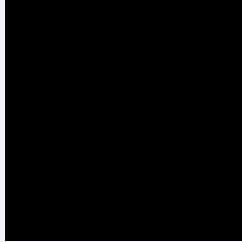
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

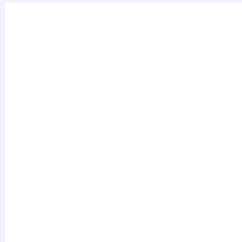
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.8464, 0.3037, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 89.8464, 0.3037, 0.3171.



This preview shows how white text looks on a background with the Yxy color 89.8464, 0.3037, 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

89.8464, 0.3037, 0.3171

Protanopia

89.8931, 0.3068, 0.3172

Deuteranopia

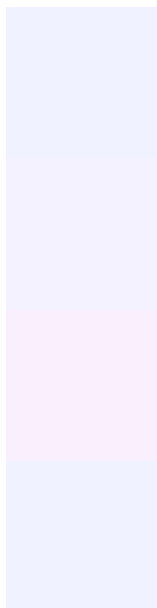
89.4373, 0.3153, 0.3155



Tritanopia

89.6015, 0.3050, 0.3162

Trichromacy



Original Color

89.8464, 0.3037, 0.3171

Protanomaly

89.7147, 0.3062, 0.3172

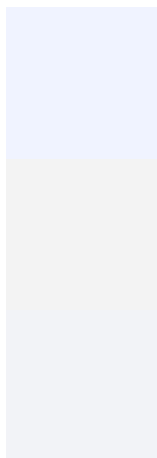
Deuteranomaly

89.7360, 0.3114, 0.3164

Tritanomaly

89.4250, 0.3043, 0.3162

Monochromacy



Original Color

89.8464, 0.3037, 0.3171

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.6938, 0.3097, 0.3250

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.8464, 0.3037, 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(240, 243, 255)` looks like.

```
.text, #text, p{  
    color:rgb(240, 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(240, 243, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 243, 255) }
```

Border

The CSS property to change the border of an element to Yxy 89.8464, 0.3037, 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(240, 243, 255) }
```

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

```
.border{ border-color:rgb(240, 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(240, 243, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 243, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 243, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 243,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 89.8464, 0.3037, 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(240, 243, 255) }
```

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

```
.background{ background-color: rgb(240,  
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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