

Converting Colors

$Yxy(87.2735, 0.3019, 0.3136)$

Have a look what the booklet for
Yxy(87.2735, 0.3019, 0.3136)
contains.

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Color

Yxy(87.5447, 0.3018, 0.3141)

Conversions

Conversions Part 1

Format	Color
Hex	EDF0FF
RGB	237, 240, 255
RGB Percent	93%, 94%, 100%
CMY	0.0708, 0.0587, 0.0001
CMYK	0.07, 0.06, 0.00, 0.00
HSL	230°, 100%, 96%
HSV	230°, 7%, 100%
XYZ	84.1165, 87.5447, 107.0548
YIQ	240.8130, -6.6030, 4.0290

Conversions

Conversions Part 2

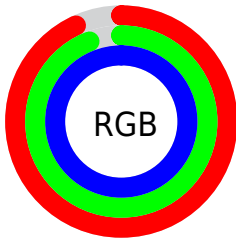
Format	Color
R _Y B	237, 240, 255
Decimal	15593727
CIE Lab	94.97, 1.73, -7.55
CIE LCh	95, 7.745, 282.932
Yxy	87.5447, 0.3018, 0.3141
Android (android.graphics.Color)	4293783807 (0xFFEDF0FF)
YUV	240.8130, 6.9942, -3.3440
Hunter-Lab	93.5653, -3.2654, -2.3422

Details

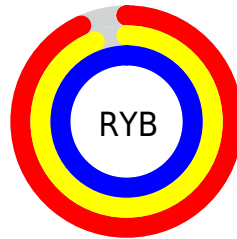
The Yxy color **87.5447, 0.3018, 0.3141** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **96.9201, 0.3235, 0.3435**, and the grayscale version is **87.7512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.1820, 0.2996, 0.3111** is the 20% darker color. If you saturate the color by 10%, you get **71.7404, 0.2850, 0.2907**, and if you desaturate by 10%, it is **99.9988, 0.3127, 0.3290**.

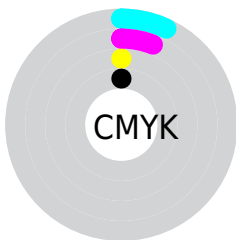
Distribution



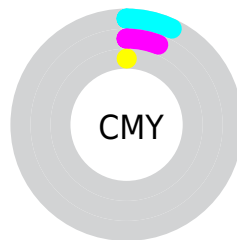
- Red (93%)
- Green (94%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)




- Cyan (7%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5447, 0.3018, 0.3141 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 87.5447, 0.3018, 0.3141 by changing the saturation by 10% instead.


 87.5447, 0.3018,
0.3141

 87.5447, 0.3018,
0.3141

520.0111, 0.3067,
0.3207

 65.9461, 0.3007,
0.3126

143.9231, 0.3035,
0.3164

 48.2286, 0.2994,
0.3109


179.4717, 0.3041,
0.3172

 34.0080, 0.2978,
0.3087

220.4390, 0.3047,
0.3180

 22.8997, 0.2957,
0.3058

267.2095, 0.3052,
0.3187

 14.5195, 0.2929,
0.3021

320.1676, 0.3056,
0.3193

 8.4828, 0.2890,
0.2970

379.6976, 0.3060,

 4.4054, 0.2833,

0.3198

0.2894

446.1840, 0.3064,
0.3203

■ 1.9028, 0.2739,
0.2772

■ 0.5501, 0.2510,
0.2444

■ 87.5447, 0.3018,
0.3141

■ 87.5447, 0.3018,
0.3141

■ 71.7404, 0.2850,
0.2907

99.9988, 0.3127,
0.3290

■ 57.9297, 0.2667,
0.2645

■ 46.0360, 0.2473,
0.2358

■ 35.9733, 0.2273,
0.2053

■ 27.6493, 0.2077,
0.1741

■ 20.9631, 0.1895,
0.1438

■ 15.8032, 0.1741,
0.1163

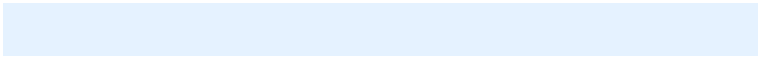
■ 12.0435, 0.1625,
0.0935

■ 9.5338, 0.1552,
0.0767

Harmonies

Analogous

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



87.5447, 0.2968, 0.3167



87.5447, 0.3018, 0.3141



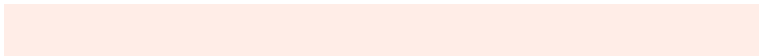
87.5447, 0.3098, 0.3154

Triad

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



87.5447, 0.3018, 0.3141



87.5447, 0.3298, 0.3349



87.5447, 0.3067, 0.3381

Complementary

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



87.5447, 0.3018, 0.3141



96.9201, 0.3235, 0.3435

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.



87.5447, 0.3155, 0.3431



87.5447, 0.3018, 0.3141



87.5447, 0.3289, 0.3411

Square

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



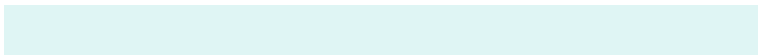
87.5447, 0.3018, 0.3141



87.5447, 0.3260, 0.3273



87.5447, 0.3236, 0.3442



87.5447, 0.2996, 0.3306

Rectangle

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



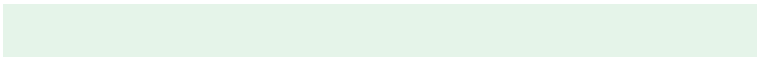
87.5447, 0.3018, 0.3141



87.5447, 0.3157, 0.3182



87.5447, 0.3236, 0.3442



87.5447, 0.3095, 0.3402

Sweetspot

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



87.5484, 0.3018, 0.3141



96.3782, 0.3097, 0.3249



96.5092, 0.3035, 0.3322



20.6669, 0.3099, 0.3251



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.



87.5484, 0.3018, 0.3141



86.0172, 0.3003, 0.3121



86.7436, 0.3055, 0.3112



17.8802, 0.2979, 0.3087



4.8461, 0.1542, 0.0749



0.6047, 0.1591, 0.0928

Inverse Universe

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



88.0814, 0.3229, 0.3260



86.6264, 0.3243, 0.3256



97.8076, 0.3196, 0.3466



18.0378, 0.3267, 0.3250



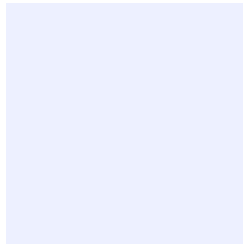
11.2172, 0.6151, 0.3162



1.1056, 0.5869, 0.3007

Previews

White Background



This preview shows how the Yxy color 87.5447, 0.3018, 0.3141 looks on a white background.

Color Contrast Check

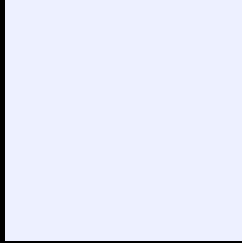
Large Text (above 18pt) WCAG AA × Fail

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 87.5447, 0.3018, 0.3141 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

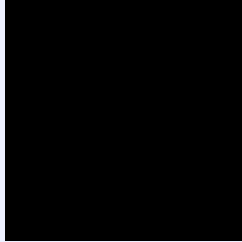
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

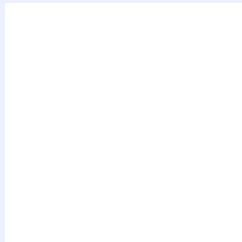
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.5447, 0.3018, 0.3141

Background



This preview shows how black text looks on a background with the Yxy color 87.5447, 0.3018, 0.3141.



This preview shows how white text looks on a background with the Yxy color 87.5447, 0.3018, 0.3141.

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

87.5447, 0.3018, 0.3141

Protanopia

87.5895, 0.3050, 0.3142

Deuteranopia

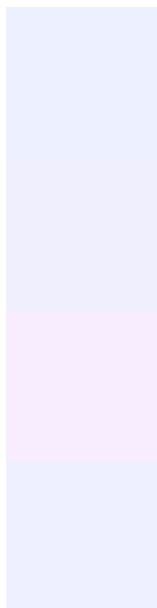
87.3256, 0.3137, 0.3088



Tritanopia

87.7173, 0.3025, 0.3141

Trichromacy



Original Color

87.5447, 0.3018, 0.3141

Protanomaly

87.4140, 0.3043, 0.3141

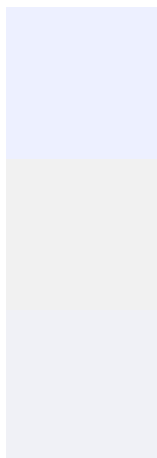
Deuteranomaly

87.1674, 0.3090, 0.3104

Tritanomaly

87.7173, 0.3025, 0.3141

Monochromacy



Original Color

87.5447, 0.3018, 0.3141

Achromatopsia

87.9622, 0.3127, 0.3290

Achromatomaly

88.0897, 0.3091, 0.3240

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5447, 0.3018, 0.3141 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, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 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, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 255) }
```

Border

The CSS property to change the border of an element to Yxy 87.5447, 0.3018, 0.3141 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, 240, 255) }
```

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

```
.border{ border-color:rgb(237, 240, 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, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5447, 0.3018, 0.3141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 255) }
```

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

```
.background{ background-color: rgb(237,  
240, 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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