

Converting Colors

Yxy(84.4444, 0.3053, 0.3180)

Have a look what the booklet for
Yxy(84.4444, 0.3053, 0.3180)
contains.

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Color

Yxy(84.3685, 0.3053, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	EBECF7
RGB	235, 236, 247
RGB Percent	92%, 93%, 97%
CMY	0.0787, 0.0744, 0.0314
CMYK	0.05, 0.04, 0.00, 0.03
HSL	235°, 43%, 94%
HSV	235°, 5%, 97%
XYZ	81.0245, 84.3685, 100.0002
YIQ	236.9550, -4.1270, 3.2090

Conversions

Conversions Part 2

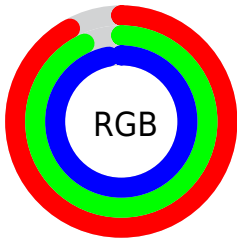
Format	Color
R _Y B	235, 236, 247
Decimal	15461623
CIE Lab	93.61, 1.63, -5.42
CIE LCh	94, 5.664, 286.767
Yxy	84.3685, 0.3053, 0.3179
Android (android.graphics.Color)	4293651703 (0xFFEBECF7)
YUV	236.9550, 4.9522, -1.7145
Hunter-Lab	91.8523, -3.2836, -0.2527

Details

The Yxy color $84.3685, 0.3053, 0.3179$ is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be $91.6074, 0.3200, 0.3399$, and the grayscale version is $84.6094, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $45.9878, 0.3033, 0.3147$ is the 20% darker color. If you saturate the color by 10%, you get $68.3367, 0.2887, 0.2929$, and if you desaturate by 10%, it is $99.4947, 0.3174, 0.3367$.

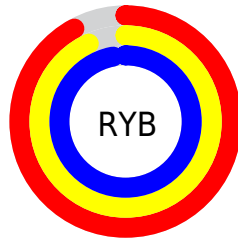
Distribution



Red (92%)

Green (93%)

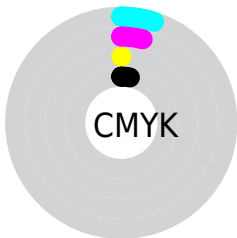
Blue (97%)



Red (92%)

Yellow (93%)

Blue (97%)

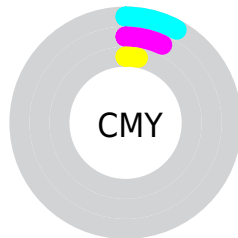


Cyan (5%)

Magenta (4%)

Yellow (0%)

Black (3%)



Cyan (8%)

Magenta (7%)

Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.3685, 0.3053, 0.3179 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 84.3685, 0.3053, 0.3179 by changing the saturation by 10% instead.

84.3685, 0.3053,
0.3179

84.3685, 0.3053,
0.3179

509.5361, 0.3087,
0.3229

63.3197, 0.3046,
0.3168

139.4905, 0.3064,
0.3196

46.0999, 0.3036,
0.3154

174.3326, 0.3069,
0.3203

32.3247, 0.3025,
0.3138

214.5412, 0.3073,
0.3209

21.6096, 0.3010,
0.3116

260.5007, 0.3076,
0.3214

13.5703, 0.2991,
0.3087

312.5956, 0.3079,
0.3218

7.8224, 0.2963,
0.3047

371.2102, 0.3082,

3.9815, 0.2922,

0.3222

0.2987

436.7289, 0.3084,
0.3226

■ 1.6632, 0.2853,
0.2889

■ 0.3997, 0.2569,
0.2446

■ 84.3685, 0.3053,
0.3179

■ 84.3685, 0.3053,
0.3179

■ 68.3367, 0.2887,
0.2929

■ 99.4947, 0.3174,
0.3367

■ 54.4241, 0.2704,
0.2647

■ 42.5451, 0.2506,
0.2339

■ 32.6043, 0.2299,
0.2010

■ 24.4984, 0.2092,
0.1676

■ 18.1146, 0.1899,
0.1355

■ 13.3275, 0.1735,
0.1072

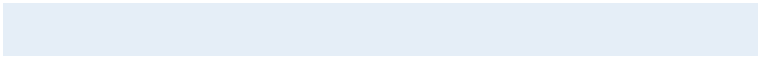
■ 9.9945, 0.1612,
0.0848

■ 7.9471, 0.1536,
0.0697

Harmonies

Analogous

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



84.3685, 0.3012, 0.3195



84.3685, 0.3053, 0.3179



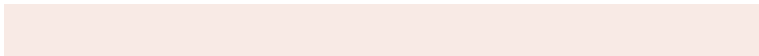
84.3685, 0.3114, 0.3192

Triad

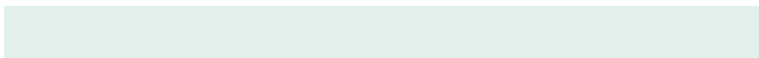
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3685, 0.3053, 0.3179



84.3685, 0.3254, 0.3341



84.3685, 0.3075, 0.3351

Complementary

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



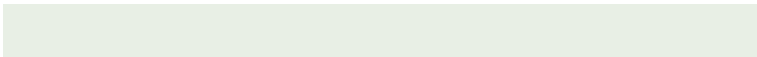
84.3685, 0.3053, 0.3179



91.6074, 0.3200, 0.3399

Split Complementary

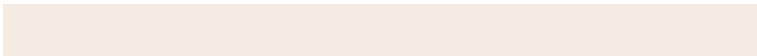
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.3685, 0.3139, 0.3391



84.3685, 0.3053, 0.3179



84.3685, 0.3243, 0.3385

Square

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



84.3685, 0.3053, 0.3179



84.3685, 0.3231, 0.3285



84.3685, 0.3201, 0.3403



84.3685, 0.3025, 0.3294

Rectangle

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



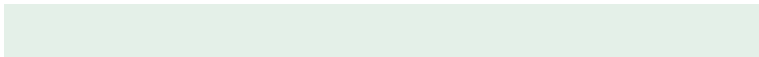
84.3685, 0.3053, 0.3179



84.3685, 0.3158, 0.3215



84.3685, 0.3201, 0.3403



84.3685, 0.3096, 0.3367

Sweetspot

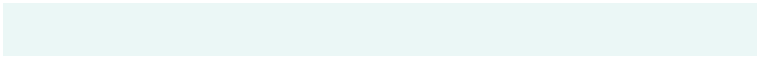
The Sweet Spot groups the original color and five complimentary colors.



84.3721, 0.3053, 0.3179



98.0505, 0.3112, 0.3268



90.8049, 0.3058, 0.3302



21.0074, 0.3113, 0.3269



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.



84.3721, 0.3053, 0.3179



88.6633, 0.3035, 0.3152



84.5700, 0.3085, 0.3169



17.1554, 0.3025, 0.3137



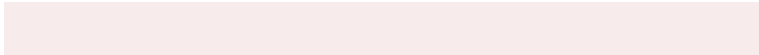
3.9539, 0.1517, 0.0661



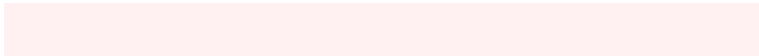
0.4287, 0.1554, 0.0795

Inverse Universe

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



85.2037, 0.3202, 0.3279



89.7606, 0.3220, 0.3277



91.4151, 0.3168, 0.3410



17.3926, 0.3230, 0.3275



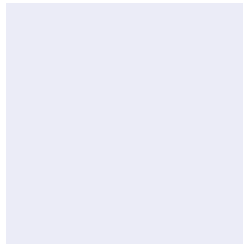
10.4985, 0.6298, 0.3243



0.9309, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 84.3685, 0.3053, 0.3179 looks on a white background.

Color Contrast Check

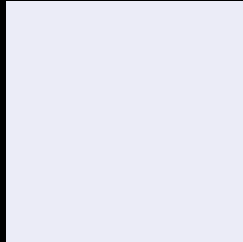
Large Text (above 18pt) WCAG AA × Fail

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 84.3685, 0.3053, 0.3179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

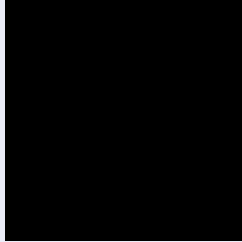
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

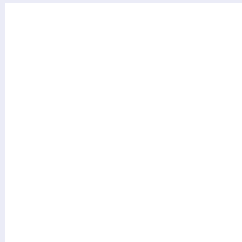
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.3685, 0.3053, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 84.3685, 0.3053, 0.3179.

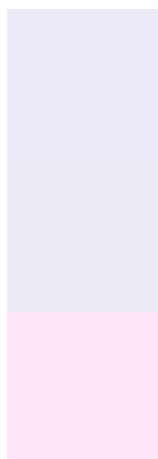


This preview shows how white text looks on a background with the Yxy color 84.3685, 0.3053, 0.3179.

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

84.3685, 0.3053, 0.3179

Protanopia

84.2476, 0.3079, 0.3179

Deuteranopia

83.8868, 0.3177, 0.3105



Tritanopia

84.4053, 0.3018, 0.3099

Trichromacy



Original Color

84.3685, 0.3053, 0.3179

Protanomaly

84.0750, 0.3073, 0.3179

Deuteranomaly

84.2647, 0.3128, 0.3132

Tritanomaly

84.2146, 0.3036, 0.3129

Monochromacy



Original Color

84.3685, 0.3053, 0.3179

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

84.7521, 0.3096, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.3685, 0.3053, 0.3179 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(235, 236, 247)` looks like.

```
.text, #text, p{  
    color:rgb(235, 236, 247)  
}
```

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(235, 236, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 236, 247) }
```

Border

The CSS property to change the border of an element to Yxy 84.3685, 0.3053, 0.3179 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(235, 236, 247) }
```

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

```
.border{ border-color:rgb(235, 236, 247) }
```

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

Here you see how a box with a 4 pixel rgb(235, 236, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 236, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 236, 247);  
box-shadow:4px 4px 4px 4px rgb(235, 236,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 84.3685, 0.3053, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 236, 247) }
```

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

```
.background{ background-color: rgb(235,  
236, 247) }
```

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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