

Converting Colors

$Yxy(87.3823, 0.2954, 0.3217)$

Have a look what the booklet for
Yxy(87.3823, 0.2954, 0.3217)
contains.

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Color

Yxy(87.3544, 0.2954, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	DFF4FB
RGB	223, 244, 251
RGB Percent	87%, 96%, 98%
CMY	0.1256, 0.0431, 0.0156
CMYK	0.11, 0.03, 0.00, 0.02
HSL	195°, 78%, 93%
HSV	195°, 11%, 98%
XYZ	80.1880, 87.3544, 103.9132
YIQ	238.5190, -14.7630, -2.2750

Conversions

Conversions Part 2

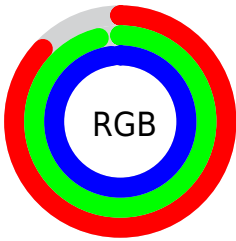
Format	Color
R_{YB}	223, 235, 251
Decimal	14677243
CIE _{Lab}	94.89, -5.51, -5.72
CIE _{LCh}	95, 7.946, 226.071
Yxy	87.3544, 0.2954, 0.3218
Android (android.graphics.Color)	4292867323 (0xFFDFF4FB)
YUV	238.5190, 6.1531, -13.6102
Hunter-Lab	93.4636, -10.4155, -0.4944

Details

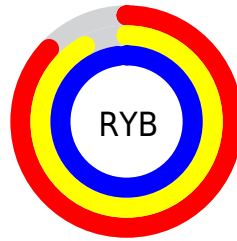
The Yxy color **87.3544, 0.2954, 0.3218** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **82.4133, 0.3319, 0.3361**, and the grayscale version is **85.8819, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2314, 0.2916, 0.3198** is the 20% darker color. If you saturate the color by 10%, you get **79.9556, 0.2801, 0.3147**, and if you desaturate by 10%, it is **95.4798, 0.3109, 0.3283**.

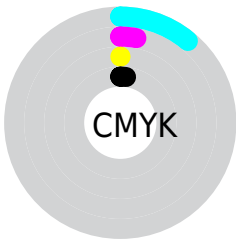
Distribution



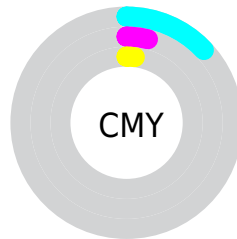
- Red (87%)
- Green (96%)
- Blue (98%)



- Red (87%)
- Yellow (92%)
- Blue (98%)



- Cyan (11%)
- Magenta (3%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3544, 0.2954, 0.3218 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 87.3544, 0.2954, 0.3218 by changing the saturation by 10% instead.

 87.3544, 0.2954,
0.3218

 87.3544, 0.2954,
0.3218

519.3867, 0.3031,
0.3251

 65.7885, 0.2937,
0.3211


143.6580, 0.2980,
0.3229

 48.1008, 0.2916,
0.3202


179.1645, 0.2991,
0.3234

 33.9067, 0.2891,
0.3190

220.0867, 0.3000,
0.3238

 22.8219, 0.2858,
0.3176

266.8090, 0.3007,
0.3241

 14.4621, 0.2815,
0.3156

319.7158, 0.3014,
0.3244

 8.4427, 0.2755,
0.3128

379.1914, 0.3021,

 4.3795, 0.2667,

0.3246

0.3086

445.6202, 0.3026,
0.3249

■ 1.8881, 0.2525,
0.3016

■ 0.5412, 0.1988,
0.2833

■ 87.3544, 0.2954,
0.3218

■ 87.3544, 0.2954,
0.3218

■ 79.9556, 0.2801,
0.3147

■ 95.4798, 0.3109,
0.3283

■ 73.2451, 0.2653,
0.3069

■ 99.7460, 0.3150,
0.3328

■ 67.1976, 0.2513,
0.2986

■ 61.7816, 0.2385,
0.2899

■ 56.9624, 0.2272,
0.2807

■ 52.7018, 0.2177,
0.2714

■ 48.9557, 0.2102,
0.2619

■ 45.6715, 0.2047,
0.2526

■ 43.0852, 0.2012,
0.2444

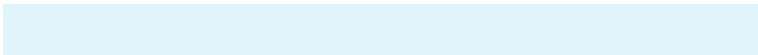
Harmonies

Analogous

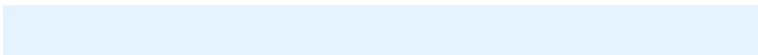
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3544, 0.2986, 0.3298



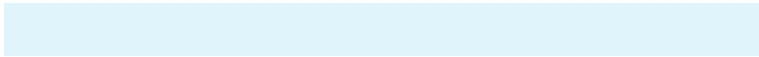
87.3544, 0.2954, 0.3218



87.3544, 0.2967, 0.3159

Triad

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



87.3544, 0.2954, 0.3218



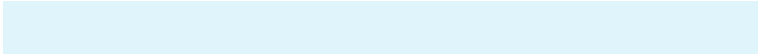
87.3544, 0.3197, 0.3206



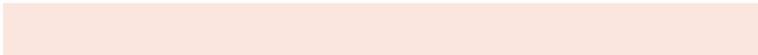
87.3544, 0.3231, 0.3447

Complementary

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



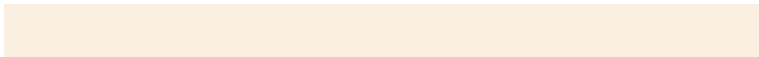
87.3544, 0.2954, 0.3218



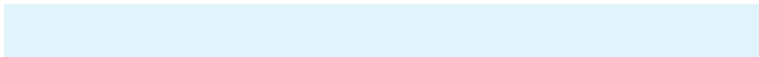
82.4133, 0.3319, 0.3361

Split Complementary

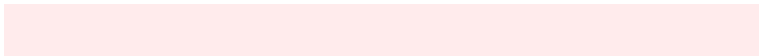
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3544, 0.3289, 0.3420



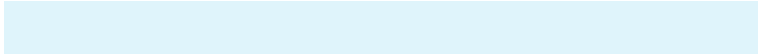
87.3544, 0.2954, 0.3218



87.3544, 0.3270, 0.3280

Square

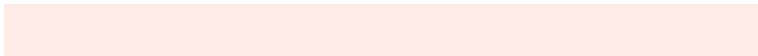
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



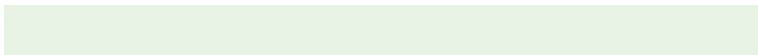
87.3544, 0.2954, 0.3218



87.3544, 0.3107, 0.3154



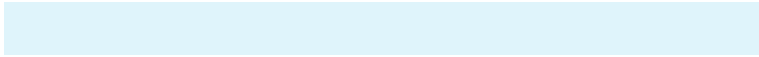
87.3544, 0.3304, 0.3358



87.3544, 0.3146, 0.3432

Rectangle

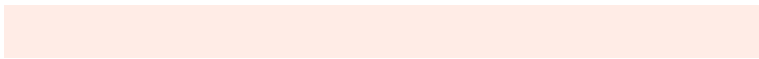
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.3544, 0.2954, 0.3218



87.3544, 0.3000, 0.3140



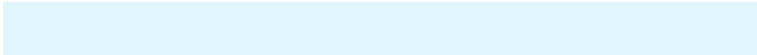
87.3544, 0.3304, 0.3358



87.3544, 0.3255, 0.3443

Sweetspot

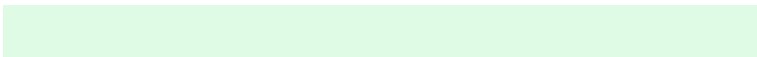
The Sweet Spot groups the original color and five complimentary colors.



87.3581, 0.2954, 0.3218



97.3655, 0.3081, 0.3271



90.3723, 0.3076, 0.3513



20.6920, 0.3068, 0.3266



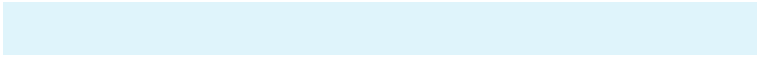
0.0000, 0.0000, 0.0000



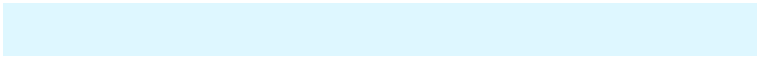
21.4041, 0.3127, 0.3290

Same Dimension

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



87.3581, 0.2954, 0.3218



89.0794, 0.2926, 0.3205



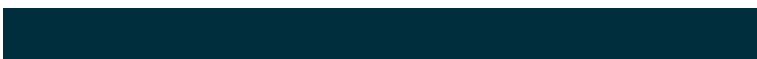
79.4902, 0.2952, 0.3077



18.8317, 0.2980, 0.3229



22.8873, 0.2017, 0.2460



2.2871, 0.2047, 0.2571

Inverse Universe

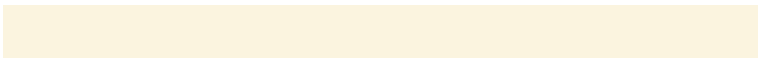
The Inverse Universe completely reimagines the original color for something new.



79.8013, 0.3186, 0.3082



80.1213, 0.3197, 0.3046



90.2602, 0.3303, 0.3495



17.4462, 0.3176, 0.3114



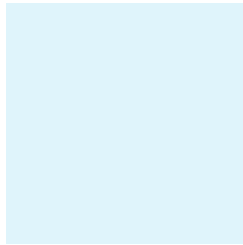
12.7214, 0.3963, 0.1957



1.1951, 0.3853, 0.1896

Previews

White Background



This preview shows how the Yxy color 87.3544, 0.2954, 0.3218 looks on a white background.

Color Contrast Check

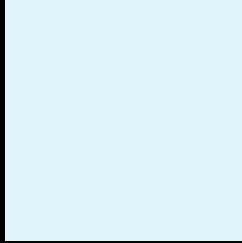
Large Text (above 18pt) WCAG AA × Fail

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 87.3544, 0.2954, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

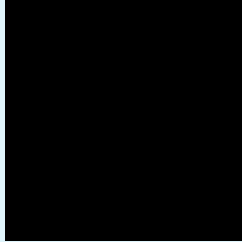
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

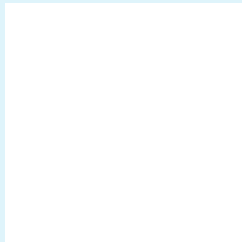
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 87.3544, 0.2954, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 87.3544, 0.2954, 0.3218.

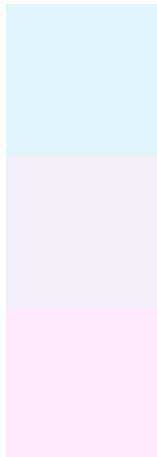


This preview shows how white text looks on a background with the Yxy color 87.3544, 0.2954, 0.3218.

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

87.3544, 0.2954, 0.3218

Protanopia

87.3876, 0.3092, 0.3201

Deuteranopia

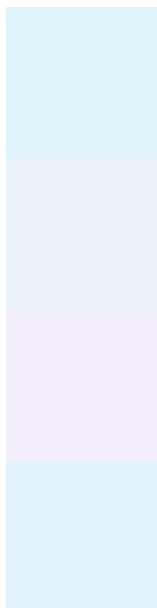
87.1339, 0.3155, 0.3116



Tritanopia

87.5473, 0.2974, 0.3159

Trichromacy



Original Color

87.3544, 0.2954, 0.3218

Protanomaly

87.4123, 0.3041, 0.3209

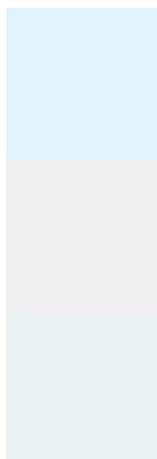
Deuteranomaly

87.2320, 0.3075, 0.3152

Tritanomaly

87.5878, 0.2962, 0.3178

Monochromacy



Original Color

87.3544, 0.2954, 0.3218

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

86.7053, 0.3063, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3544, 0.2954, 0.3218 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(223, 244, 251)` looks like.

```
.text, #text, p{  
    color:rgb(223, 244, 251)  
}
```

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(223, 244, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 244, 251) }
```

Border

The CSS property to change the border of an element to Yxy 87.3544, 0.2954, 0.3218 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(223, 244, 251) }
```

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

```
.border{ border-color:rgb(223, 244, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 244, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 244, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 244, 251);  
box-shadow:4px 4px 4px 4px rgb(223, 244,  
251) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3544, 0.2954, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 244, 251) }
```

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

```
.background{ background-color: rgb(223,  
244, 251) }
```

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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