

Converting Colors

Yxy(83.2332, 0.2943, 0.3129)

Have a look what the booklet for
Yxy(83.2332, 0.2943, 0.3129)
contains.

Yxy(83.3482, 0.2942, 0.3125)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(83.3482, 0.2942, 0.3125)

Conversions

Conversions Part 1

Format	Color
Hex	DFEFD
RGB	223, 237, 253
RGB Percent	87%, 93%, 99%
CMY	0.1251, 0.0707, 0.0078
CMYK	0.12, 0.06, 0.00, 0.01
HSL	212°, 88%, 93%
HSV	212°, 12%, 99%
XYZ	78.4673, 83.3482, 104.8987
YIQ	234.6380, -13.4800, 2.0080

Conversions

Conversions Part 2

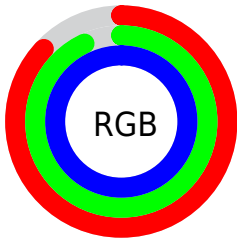
Format	Color
RYB	223, 233, 253
Decimal	14675453
CIELab	93.17, -1.49, -9.31
CIELCh	93, 9.431, 260.880
Yxy	83.3482, 0.2942, 0.3125
Android (android.graphics.Color)	4292865533 (0xFFDFEFD)
YUV	234.6380, 9.0525, -10.2065
Hunter-Lab	91.2952, -6.3477, -4.2179

Details

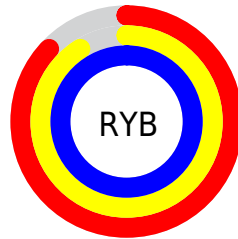
The Yxy color **83.3482, 0.2942, 0.3125** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **88.0287, 0.3321, 0.3450**, and the grayscale version is **82.7384, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3581, 0.2906, 0.3091** is the 20% darker color. If you saturate the color by 10%, you get **72.0697, 0.2778, 0.2968**, and if you desaturate by 10%, it is **95.8281, 0.3099, 0.3266**.

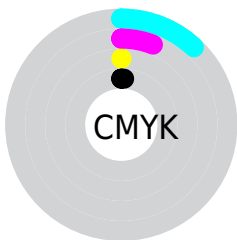
Distribution



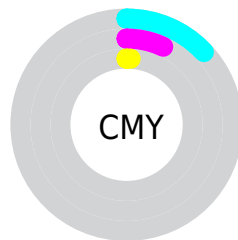
- Red (87%)
- Green (93%)
- Blue (99%)



- Red (87%)
- Yellow (91%)
- Blue (99%)



- Cyan (12%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (13%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3482, 0.2942, 0.3125 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 83.3482, 0.2942, 0.3125 by changing the saturation by 10% instead.

83.3482, 0.2942,
0.3125

83.3482, 0.2942,
0.3125

506.1462, 0.3025,
0.3200

62.4774, 0.2924,
0.3108

138.0630, 0.2970,
0.3151

45.4186, 0.2901,
0.3088

172.6759, 0.2982,
0.3161

31.7873, 0.2873,
0.3063

212.6383, 0.2991,
0.3169

21.1991, 0.2837,
0.3030

258.3345, 0.3000,
0.3177

13.2696, 0.2789,
0.2986

310.1490, 0.3007,
0.3184

7.6144, 0.2722,
0.2925

368.4662, 0.3014,

3.8492, 0.2622,

0.3190

0.2833

433.6705, 0.3020,
0.3195

■ 1.5896, 0.2459,
0.2681

■ 0.3506, 0.1764,
0.2085

■ 83.3482, 0.2942,
0.3125

■ 83.3482, 0.2942,
0.3125

■ 72.0697, 0.2778,
0.2968

■ 95.8281, 0.3099,
0.3266

■ 61.9425, 0.2610,
0.2794

99.8733, 0.3139,
0.3309

■ 52.9282, 0.2443,
0.2606

■ 44.9816, 0.2279,
0.2406

■ 38.0542, 0.2126,
0.2197

■ 32.0927, 0.1990,
0.1985

■ 27.0372, 0.1875,
0.1776

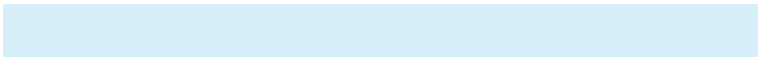
■ 22.8181, 0.1785,
0.1578

■ 19.9147, 0.1730,
0.1427

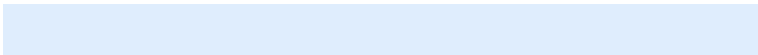
Harmonies

Analogous

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



83.3482, 0.2918, 0.3189



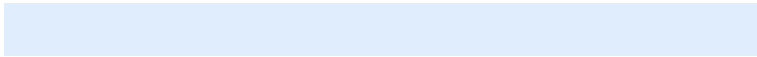
83.3482, 0.2942, 0.3125



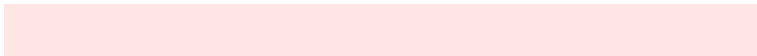
83.3482, 0.3015, 0.3106

Triad

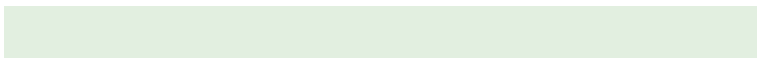
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3482, 0.2942, 0.3125



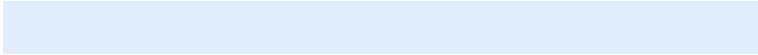
83.3482, 0.3309, 0.3293



83.3482, 0.3132, 0.3454

Complementary

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



83.3482, 0.2942, 0.3125



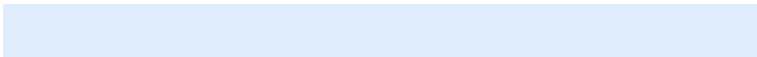
88.0287, 0.3321, 0.3450

Split Complementary

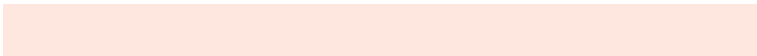
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3482, 0.3238, 0.3480



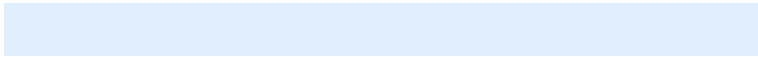
83.3482, 0.2942, 0.3125



83.3482, 0.3342, 0.3386

Square

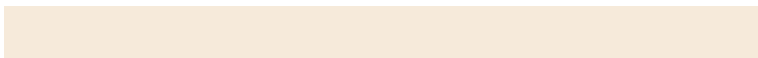
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.3482, 0.2942, 0.3125



83.3482, 0.3228, 0.3202



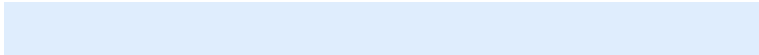
83.3482, 0.3315, 0.3455



83.3482, 0.3026, 0.3380

Rectangle

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



83.3482, 0.2942, 0.3125



83.3482, 0.3083, 0.3119



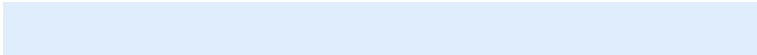
83.3482, 0.3315, 0.3455



83.3482, 0.3168, 0.3468

Sweetspot

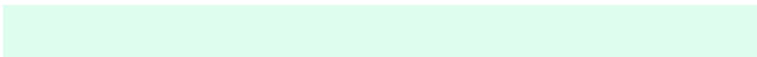
The Sweet Spot groups the original color and five complimentary colors.



83.3517, 0.2942, 0.3125



94.6782, 0.3066, 0.3237



92.2021, 0.3022, 0.3433



20.0556, 0.3054, 0.3226



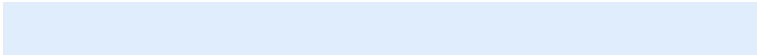
0.0000, 0.0000, 0.0000



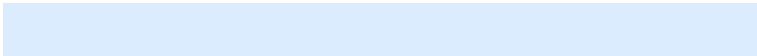
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3517, 0.2942, 0.3125



82.2414, 0.2907, 0.3092



75.7759, 0.2946, 0.2980



18.7672, 0.2979, 0.3159



10.8767, 0.1738, 0.1456



1.2750, 0.1797, 0.1670

Inverse Universe

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



79.8220, 0.3247, 0.3152



78.1282, 0.3272, 0.3126



96.2978, 0.3298, 0.3584



18.1274, 0.3221, 0.3180



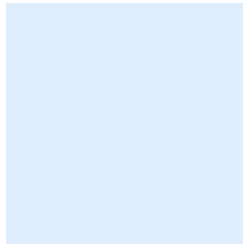
11.8260, 0.5117, 0.2592



1.1733, 0.4843, 0.2442

Previews

White Background



This preview shows how the Yxy color 83.3482, 0.2942, 0.3125 looks on a white background.

Color Contrast Check

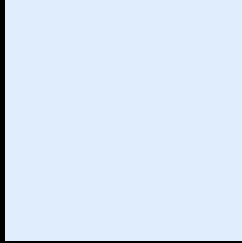
Large Text (above 18pt) WCAG AA × Fail

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 83.3482, 0.2942, 0.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

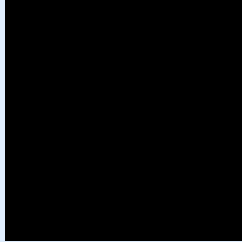
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

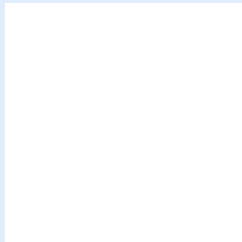
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3482, 0.2942, 0.3125

Background



This preview shows how black text looks on a background with the Yxy color 83.3482, 0.2942, 0.3125.



This preview shows how white text looks on a background with the Yxy color 83.3482, 0.2942, 0.3125.

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

83.3482, 0.2942, 0.3125

Protanopia

83.4728, 0.3030, 0.3118

Deuteranopia

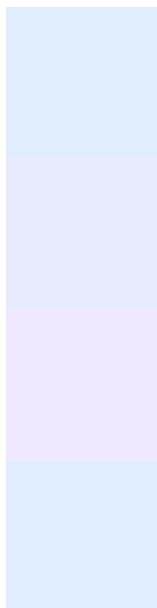
83.3984, 0.3099, 0.3035



Tritanopia

83.6357, 0.2936, 0.3106

Trichromacy



Original Color

83.3482, 0.2942, 0.3125

Protanomaly

83.4339, 0.2998, 0.3117

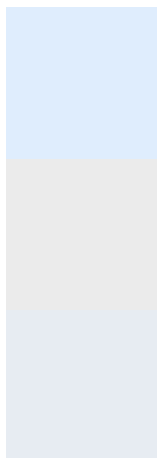
Deuteranomaly

83.3942, 0.3044, 0.3071

Tritanomaly

83.5714, 0.2942, 0.3116

Monochromacy



Original Color

83.3482, 0.2942, 0.3125

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.3906, 0.3058, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3482, 0.2942, 0.3125 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, 237, 253)` looks like.

```
.text, #text, p{  
    color:rgb(223, 237, 253)  
}
```

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, 237, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 237, 253) }
```

Border

The CSS property to change the border of an element to Yxy 83.3482, 0.2942, 0.3125 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, 237, 253) }
```

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

```
.border{ border-color:rgb(223, 237, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 237, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 237, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 237, 253);  
box-shadow:4px 4px 4px 4px rgb(223, 237,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3482, 0.2942, 0.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 237, 253) }
```

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

```
.background{ background-color: rgb(223,  
237, 253) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor