

Converting Colors

Yxy(83.4163, 0.2930, 0.3143)

Have a look what the booklet for
Yxy(83.4163, 0.2930, 0.3143)
contains.

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Color

Yxy(83.3930, 0.2929, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	DCEEFC
RGB	220, 238, 252
RGB Percent	86%, 93%, 99%
CMY	0.1372, 0.0667, 0.0117
CMYK	0.13, 0.06, 0.00, 0.01
HSL	206°, 84%, 93%
HSV	206°, 13%, 99%
XYZ	77.6655, 83.3930, 104.1020
YIQ	234.2140, -15.2220, 0.5380

Conversions

Conversions Part 2

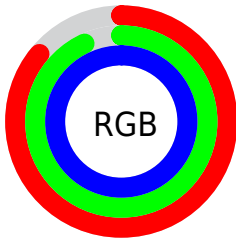
Format	Color
R _Y B	220, 232, 252
Decimal	14479100
CIE Lab	93.19, -3.18, -8.78
CIE LCh	93, 9.336, 250.070
Yxy	83.3930, 0.2929, 0.3145
Android (android.graphics.Color)	4292669180 (0xFFDCEEFC)
YUV	234.2140, 8.7685, -12.4657
Hunter-Lab	91.3198, -7.9991, -3.6651

Details

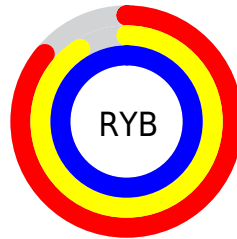
The Yxy color **83.3930, 0.2929, 0.3145** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.7273, 0.3341, 0.3431**, and the grayscale version is **82.3957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.3954, 0.2890, 0.3116** is the 20% darker color. If you saturate the color by 10%, you get **73.5250, 0.2769, 0.3016**, and if you desaturate by 10%, it is **94.2546, 0.3086, 0.3261**.

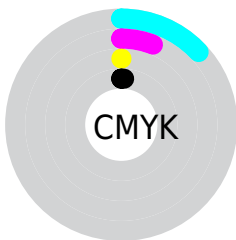
Distribution



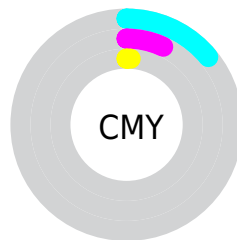
- Red (86%)
- Green (93%)
- Blue (99%)



- Red (86%)
- Yellow (91%)
- Blue (99%)



- Cyan (13%)
- Magenta (6%)
- Yellow (0%)
- Black (1%)



- Cyan (14%)
- Magenta (7%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3930, 0.2929, 0.3145 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 83.3930, 0.2929, 0.3145 by changing the saturation by 10% instead.

83.3930, 0.2929,
0.3145

83.3930, 0.2929,
0.3145

506.2954, 0.3018,
0.3211

62.5144, 0.2909,
0.3130

138.1258, 0.2959,
0.3168

45.4485, 0.2885,
0.3112

172.7487, 0.2971,
0.3176

31.8108, 0.2855,
0.3090

212.7219, 0.2982,
0.3184

21.2170, 0.2817,
0.3060

258.4297, 0.2991,
0.3191

13.2827, 0.2765,
0.3021

310.2566, 0.2999,
0.3197

7.6235, 0.2694,
0.2966

368.5869, 0.3006,

3.8550, 0.2588,

0.3202

0.2883

433.8050, 0.3012,
0.3207

■ 1.5928, 0.2415,
0.2744

■ 0.3527, 0.1601,
0.2193

■ 83.3930, 0.2929,
0.3145

■ 83.3930, 0.2929,
0.3145

■ 73.5250, 0.2769,
0.3016

■ 94.2546, 0.3086,
0.3261

■ 64.6069, 0.2608,
0.2875

99.8086, 0.3144,
0.3319

■ 56.6063, 0.2451,
0.2723

■ 49.4851, 0.2301,
0.2561

■ 43.2015, 0.2163,
0.2391

■ 37.7095, 0.2043,
0.2218

■ 32.9568, 0.1943,
0.2046

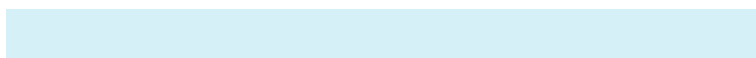
■ 28.8815, 0.1866,
0.1879

■ 26.2689, 0.1823,
0.1761

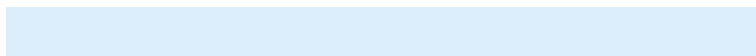
Harmonies

Analogous

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



83.3930, 0.2924, 0.3221



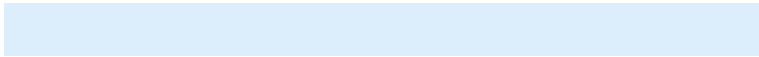
83.3930, 0.2929, 0.3145



83.3930, 0.2986, 0.3109

Triad

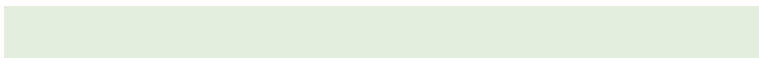
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.3930, 0.2929, 0.3145



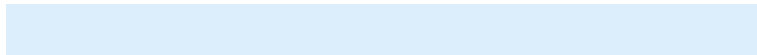
83.3930, 0.3283, 0.3259



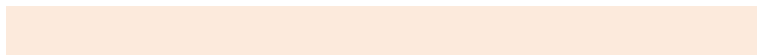
83.3930, 0.3171, 0.3467

Complementary

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



83.3930, 0.2929, 0.3145



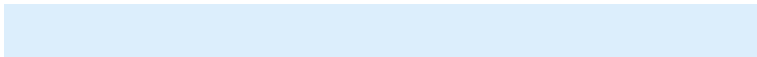
84.7273, 0.3341, 0.3431

Split Complementary

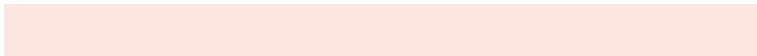
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3930, 0.3269, 0.3475



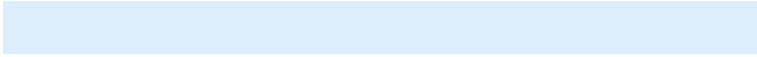
83.3930, 0.2929, 0.3145



83.3930, 0.3334, 0.3353

Square

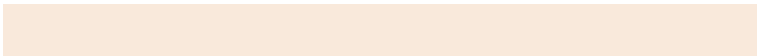
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



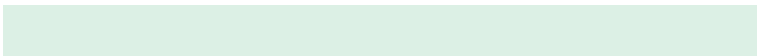
83.3930, 0.2929, 0.3145



83.3930, 0.3190, 0.3175



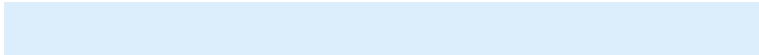
83.3930, 0.3329, 0.3432



83.3930, 0.3063, 0.3410

Rectangle

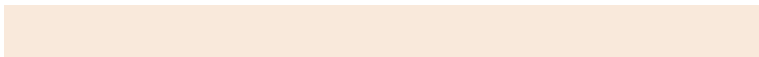
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3930, 0.2929, 0.3145



83.3930, 0.3046, 0.3111



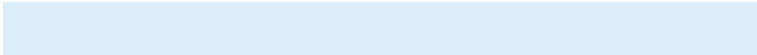
83.3930, 0.3329, 0.3432



83.3930, 0.3206, 0.3476

Sweetspot

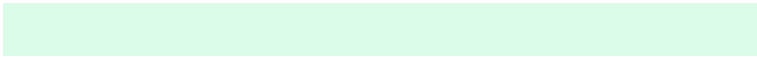
The Sweet Spot groups the original color and five complimentary colors.



83.3965, 0.2929, 0.3145



95.2995, 0.3066, 0.3246



90.7774, 0.3033, 0.3477



20.2128, 0.3054, 0.3238



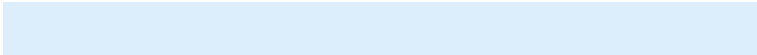
0.0000, 0.0000, 0.0000



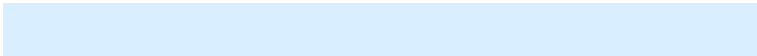
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3965, 0.2929, 0.3145



83.2276, 0.2892, 0.3116



74.5726, 0.2925, 0.2977



18.2618, 0.2980, 0.3184



13.9820, 0.1830, 0.1788



1.5061, 0.1884, 0.1983

Inverse Universe

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



78.0678, 0.3235, 0.3111



76.9446, 0.3258, 0.3077



94.1577, 0.3320, 0.3585



17.3886, 0.3206, 0.3157



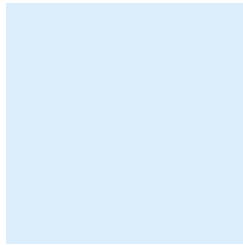
11.8224, 0.4700, 0.2363



1.1163, 0.4472, 0.2237

Previews

White Background



This preview shows how the Yxy color 83.3930, 0.2929, 0.3145 looks on a white background.

Color Contrast Check

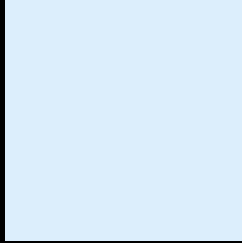
Large Text (above 18pt) WCAG AA × Fail

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 83.3930, 0.2929, 0.3145 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

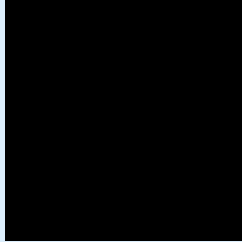
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

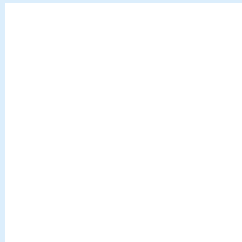
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3930, 0.2929, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 83.3930, 0.2929, 0.3145.



This preview shows how white text looks on a background with the Yxy color 83.3930, 0.2929, 0.3145.

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

83.3930, 0.2929, 0.3145

Protanopia

83.3474, 0.3042, 0.3138

Deuteranopia

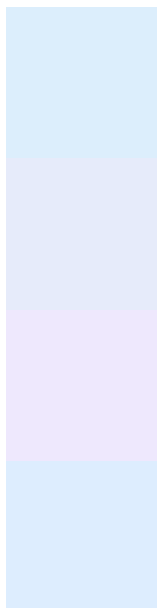
82.7823, 0.3105, 0.3035



Tritanopia

83.3180, 0.2924, 0.3105

Trichromacy



Original Color

83.3930, 0.2929, 0.3145

Protanomaly

83.1418, 0.3003, 0.3137

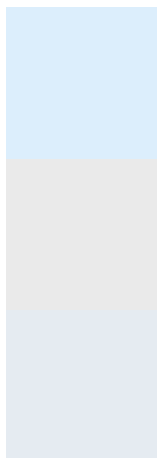
Deuteranomaly

82.9822, 0.3037, 0.3080

Tritanomaly

83.0963, 0.2923, 0.3115

Monochromacy



Original Color

83.3930, 0.2929, 0.3145

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.4255, 0.3051, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3930, 0.2929, 0.3145 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(220, 238, 252)` looks like.

```
.text, #text, p{  
    color:rgb(220, 238, 252)  
}
```

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(220, 238, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 238, 252) }
```

Border

The CSS property to change the border of an element to Yxy 83.3930, 0.2929, 0.3145 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(220, 238, 252) }
```

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

```
.border{ border-color:rgb(220, 238, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 238, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 238, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 238, 252);  
box-shadow:4px 4px 4px 4px rgb(220, 238,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3930, 0.2929, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 238, 252) }
```

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

```
.background{ background-color: rgb(220,  
238, 252) }
```

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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