

Converting Colors

$Yxy(83.3608, 0.2952, 0.3176)$

Have a look what the booklet for
Yxy(83.3608, 0.2952, 0.3176)
contains.

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Color

Yxy(83.3608, 0.2952, 0.3176)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEF9
RGB	221, 238, 249
RGB Percent	87%, 93%, 98%
CMY	0.1335, 0.0666, 0.0235
CMYK	0.11, 0.04, 0.00, 0.02
HSL	203°, 70%, 92%
HSV	203°, 11%, 98%
XYZ	77.4814, 83.3608, 101.6288
YIQ	234.1710, -13.6630, -0.1830

Conversions

Conversions Part 2

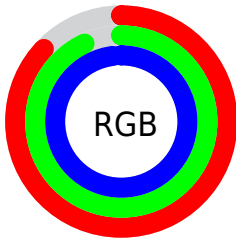
Format	Color
R _Y B	221, 232, 249
Decimal	14544633
CIE Lab	93.17, -3.49, -7.23
CIE LCh	93, 8.027, 244.218
Yxy	83.3608, 0.2952, 0.3176
Android (android.graphics.Color)	4292734713 (0xFFDDEEF9)
YUV	234.1710, 7.3107, -11.5510
Hunter-Lab	91.3021, -8.2988, -2.0844

Details

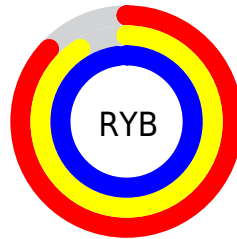
The Yxy color **83.3608, 0.2952, 0.3176** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **83.0362, 0.3316, 0.3401**, and the grayscale version is **82.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.4131, 0.2912, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **74.2166, 0.2794, 0.3063**, and if you desaturate by 10%, it is **93.3991, 0.3108, 0.3278**.

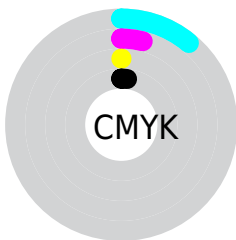
Distribution



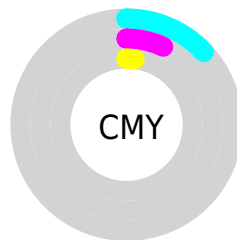
- Red (87%)
- Green (93%)
- Blue (98%)



- Red (87%)
- Yellow (91%)
- Blue (98%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (2%)



- Cyan (13%)
- Magenta (7%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.3608, 0.2952, 0.3176 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 83.3608, 0.2952, 0.3176 by changing the saturation by 10% instead.

83.3608, 0.2952,
0.3176

83.3608, 0.2952,
0.3176

506.1882, 0.3031,
0.3228

62.4878, 0.2935,
0.3164

138.0807, 0.2979,
0.3194

45.4270, 0.2913,
0.3150

172.6964, 0.2989,
0.3201

31.7939, 0.2887,
0.3132

212.6618, 0.2999,
0.3207

21.2041, 0.2852,
0.3109

258.3613, 0.3007,
0.3212

13.2733, 0.2807,
0.3078

310.1793, 0.3014,
0.3217

7.6170, 0.2744,
0.3034

368.5002, 0.3020,

3.8509, 0.2649,

0.3221

0.2967

433.7083, 0.3026,
0.3225

■ 1.5905, 0.2494,
0.2855

■ 0.3512, 0.1671,
0.2361

■ 83.3608, 0.2952,
0.3176

■ 83.3608, 0.2952,
0.3176

■ 74.2166, 0.2794,
0.3063

■ 93.3991, 0.3108,
0.3278

■ 65.9258, 0.2636,
0.2939

■ 99.6196, 0.3162,
0.3347

■ 58.4597, 0.2483,
0.2805

■ 51.7836, 0.2338,
0.2663

■ 45.8597, 0.2205,
0.2514

■ 40.6462, 0.2089,
0.2361

■ 36.0958, 0.1992,
0.2207

■ 32.1526, 0.1918,
0.2056

■ 29.1314, 0.1869,
0.1928

Harmonies

Analogous

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



83.3608, 0.2957, 0.3247



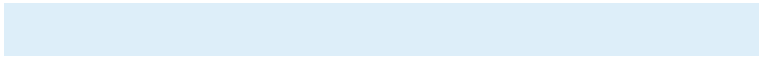
83.3608, 0.2952, 0.3176



83.3608, 0.2993, 0.3137

Triad

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



83.3608, 0.2952, 0.3176



83.3608, 0.3248, 0.3248



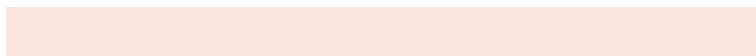
83.3608, 0.3183, 0.3447

Complementary

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



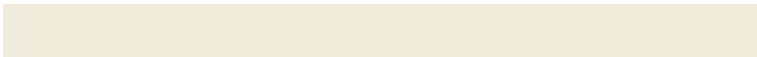
83.3608, 0.2952, 0.3176



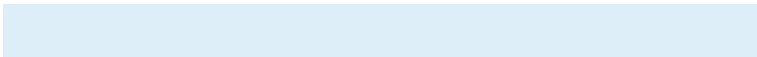
83.0362, 0.3316, 0.3401

Split Complementary

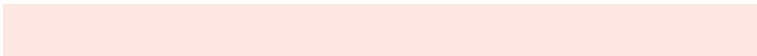
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3608, 0.3262, 0.3445



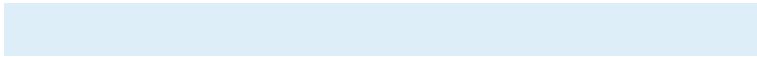
83.3608, 0.2952, 0.3176



83.3608, 0.3300, 0.3329

Square

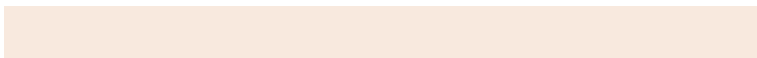
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



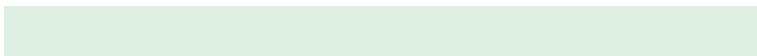
83.3608, 0.2952, 0.3176



83.3608, 0.3163, 0.3179



83.3608, 0.3305, 0.3401



83.3608, 0.3090, 0.3405

Rectangle

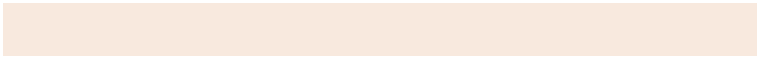
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.3608, 0.2952, 0.3176



83.3608, 0.3041, 0.3133



83.3608, 0.3305, 0.3401



83.3608, 0.3212, 0.3451

Sweetspot

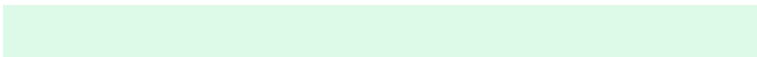
The Sweet Spot groups the original color and five complimentary colors.



83.3643, 0.2952, 0.3176



96.6813, 0.3081, 0.3261



88.9267, 0.3051, 0.3470



20.5071, 0.3069, 0.3253



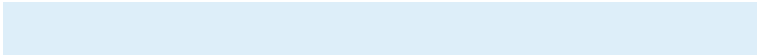
0.0000, 0.0000, 0.0000



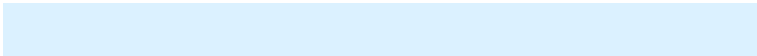
21.4041, 0.3127, 0.3290

Same Dimension

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



83.3643, 0.2952, 0.3176



85.2489, 0.2909, 0.3146



75.6380, 0.2950, 0.3030



18.4007, 0.2980, 0.3195



15.8780, 0.1875, 0.1951



1.6768, 0.1925, 0.2128

Inverse Universe

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



78.0030, 0.3213, 0.3119



78.4318, 0.3237, 0.3076



91.1049, 0.3300, 0.3537



17.4027, 0.3198, 0.3147



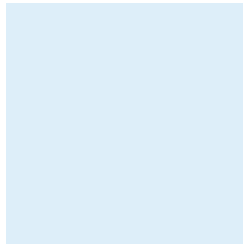
12.0138, 0.4508, 0.2257



1.1335, 0.4311, 0.2148

Previews

White Background



This preview shows how the Yxy color 83.3608, 0.2952, 0.3176 looks on a white background.

Color Contrast Check

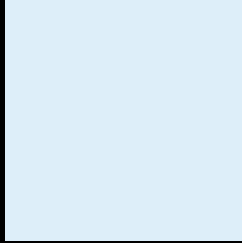
Large Text (above 18pt) WCAG AA × Fail

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 83.3608, 0.2952, 0.3176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

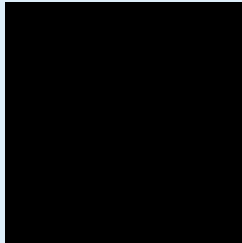
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

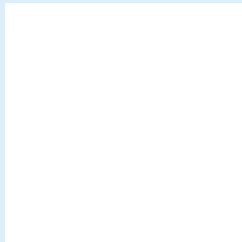
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.3608, 0.2952, 0.3176

Background



This preview shows how black text looks on a background with the Yxy color 83.3608, 0.2952, 0.3176.

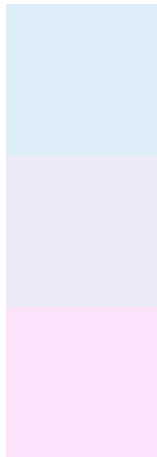


This preview shows how white text looks on a background with the Yxy color 83.3608, 0.2952, 0.3176.

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

83.3608, 0.2952, 0.3176

Protanopia

83.3323, 0.3066, 0.3168

Deuteranopia

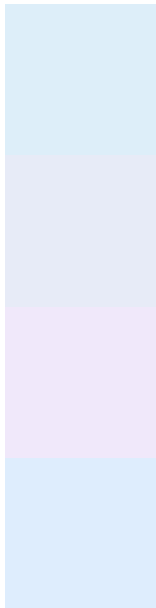
82.9611, 0.3138, 0.3065



Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.3608, 0.2952, 0.3176

Protanomaly

83.1210, 0.3028, 0.3167

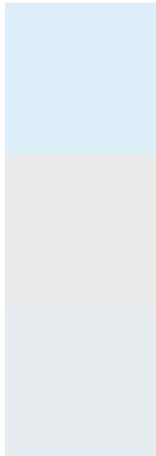
Deuteranomaly

83.1406, 0.3069, 0.3110

Tritanomaly

83.1898, 0.2935, 0.3125

Monochromacy



Original Color

83.3608, 0.2952, 0.3176

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.3067, 0.3063, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.3608, 0.2952, 0.3176 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(221, 238, 249)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 249)  
}
```

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(221, 238, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 249) }
```

Border

The CSS property to change the border of an element to Yxy 83.3608, 0.2952, 0.3176 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(221, 238, 249) }
```

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

```
.border{ border-color:rgb(221, 238, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 238, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 238, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 238, 249);  
box-shadow:4px 4px 4px 4px rgb(221, 238,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 83.3608, 0.2952, 0.3176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 238, 249) }
```

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

```
.background{ background-color: rgb(221,  
238, 249) }
```

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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