

Converting Colors

$Y_{xy}(82.8265, 0.2983, 0.3225)$

Have a look what the booklet for
Yxy(82.8265, 0.2983, 0.3225)
contains.

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Color

Yxy(83.0529, 0.2981, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	DDEEF4
RGB	221, 238, 244
RGB Percent	87%, 93%, 96%
CMY	0.1334, 0.0666, 0.0430
CMYK	0.09, 0.02, 0.00, 0.04
HSL	196°, 51%, 91%
HSV	196°, 9%, 96%
XYZ	76.7216, 83.0529, 97.5942
YIQ	233.6010, -12.0580, -1.7380

Conversions

Conversions Part 2

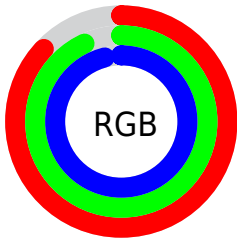
Format	Color
R _Y B	221, 231, 244
Decimal	14544628
CIE Lab	93.04, -4.44, -4.84
CIE LCh	93, 6.569, 227.440
Yxy	83.0529, 0.2981, 0.3227
Android (android.graphics.Color)	4292734708 (0xFFDDEEF4)
YUV	233.6010, 5.1267, -11.0511
Hunter-Lab	91.1334, -9.2112, 0.3000

Details

The Yxy color **83.0529, 0.2981, 0.3227** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.3976, 0.3286, 0.3352**, and the grayscale version is **81.9309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.1937, 0.2949, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **75.8542, 0.2827, 0.3154**, and if you desaturate by 10%, it is **90.9467, 0.3136, 0.3294**.

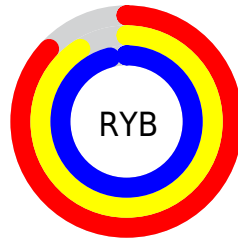
Distribution



Red (87%)

Green (93%)

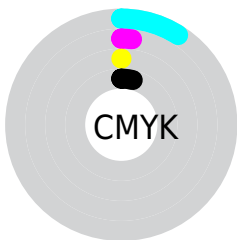
Blue (96%)



Red (87%)

Yellow (91%)

Blue (96%)

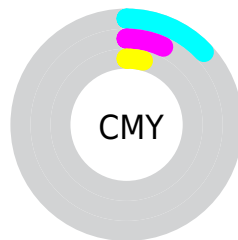


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (4%)



Cyan (13%)

Magenta (7%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0529, 0.2981, 0.3227 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 83.0529, 0.2981, 0.3227 by changing the saturation by 10% instead.

83.0529, 0.2981,
0.3227

83.0529, 0.2981,
0.3227

505.1628, 0.3047,
0.3256

62.2338, 0.2966,
0.3220

137.6495, 0.3004,
0.3237

45.2216, 0.2948,
0.3212

172.1959, 0.3012,
0.3241

31.6320, 0.2926,
0.3202

212.0867, 0.3020,
0.3244

21.0806, 0.2897,
0.3189

257.7065, 0.3027,
0.3247

13.1829, 0.2859,
0.3171

309.4396, 0.3033,
0.3250

7.5546, 0.2806,
0.3146

367.6704, 0.3038,

3.8113, 0.2726,

0.3252

0.3107

432.7834, 0.3043,
0.3254

■ 1.5686, 0.2593,
0.3041

■ 0.3363, 0.1687,
0.2686

■ 83.0529, 0.2981,
0.3227

■ 83.0529, 0.2981,
0.3227

■ 75.8542, 0.2827,
0.3154

■ 90.9467, 0.3136,
0.3294

■ 69.3148, 0.2678,
0.3074

■ 96.6350, 0.3194,
0.3355

■ 63.4113, 0.2535,
0.2988

■ 99.3132, 0.3191,
0.3395

■ 58.1145, 0.2404,
0.2897

■ 53.3926, 0.2287,
0.2801

■ 49.2102, 0.2187,
0.2704

■ 45.5273, 0.2106,
0.2605

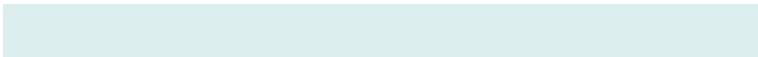
■ 42.2962, 0.2046,
0.2506

■ 39.4433, 0.2003,
0.2409

Harmonies

Analogous

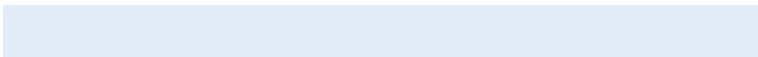
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0529, 0.3007, 0.3293



83.0529, 0.2981, 0.3227



83.0529, 0.2994, 0.3179

Triad

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



83.0529, 0.2981, 0.3227



83.0529, 0.3189, 0.3222



83.0529, 0.3212, 0.3422

Complementary

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



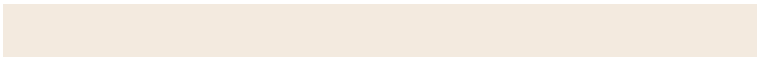
83.0529, 0.2981, 0.3227



79.3976, 0.3286, 0.3352

Split Complementary

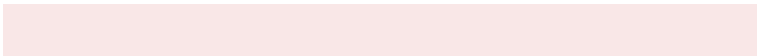
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0529, 0.3262, 0.3401



83.0529, 0.2981, 0.3227



83.0529, 0.3249, 0.3285

Square

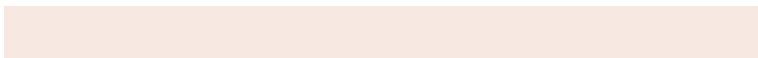
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.0529, 0.2981, 0.3227



83.0529, 0.3114, 0.3177



83.0529, 0.3276, 0.3351



83.0529, 0.3140, 0.3407

Rectangle

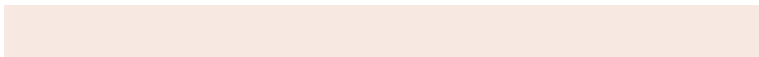
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



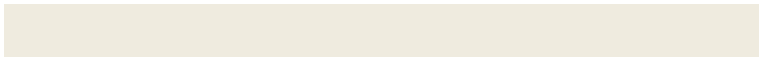
83.0529, 0.2981, 0.3227



83.0529, 0.3023, 0.3163



83.0529, 0.3276, 0.3351



83.0529, 0.3232, 0.3419

Sweetspot

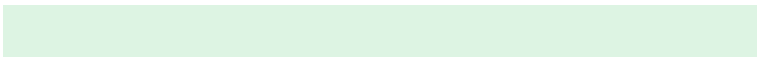
The Sweet Spot groups the original color and five complimentary colors.



83.0564, 0.2981, 0.3227



97.3095, 0.3081, 0.3271



85.6187, 0.3082, 0.3472



20.6769, 0.3068, 0.3265



0.0000, 0.0000, 0.0000



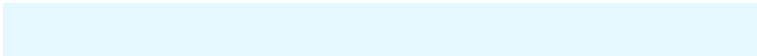
21.4041, 0.3127, 0.3290

Same Dimension

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



83.0564, 0.2981, 0.3227



90.4767, 0.2957, 0.3216



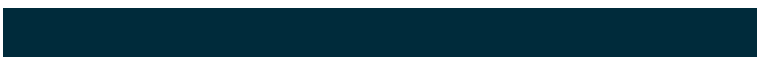
76.7021, 0.2980, 0.3108



17.9823, 0.2980, 0.3227



21.5927, 0.2005, 0.2419



2.0640, 0.2039, 0.2541

Inverse Universe

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



77.1163, 0.3178, 0.3118



82.9279, 0.3187, 0.3088



85.7612, 0.3274, 0.3466



16.6900, 0.3178, 0.3117



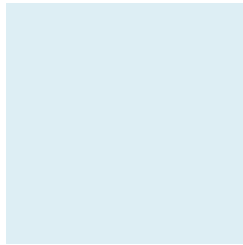
12.2792, 0.4003, 0.1979



1.0960, 0.3881, 0.1912

Previews

White Background



This preview shows how the Yxy color 83.0529, 0.2981, 0.3227 looks on a white background.

Color Contrast Check

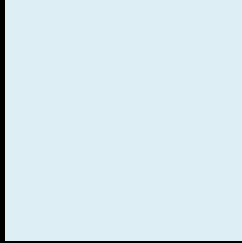
Large Text (above 18pt) WCAG AA × Fail

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 83.0529, 0.2981, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

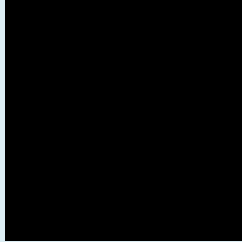
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

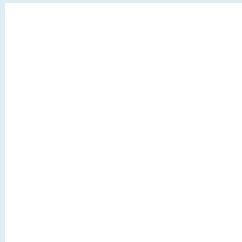
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.0529, 0.2981, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 83.0529, 0.2981, 0.3227.

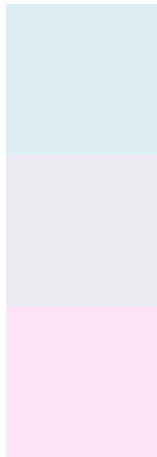


This preview shows how white text looks on a background with the Yxy color 83.0529, 0.2981, 0.3227.

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

83.0529, 0.2981, 0.3227

Protanopia

82.6332, 0.3104, 0.3209

Deuteranopia

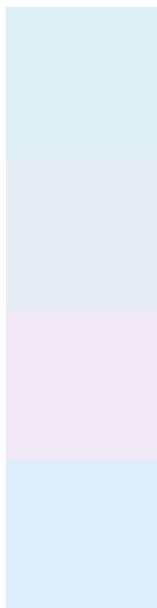
82.8361, 0.3177, 0.3113



Tritanopia

82.8989, 0.2930, 0.3095

Trichromacy



Original Color

83.0529, 0.2981, 0.3227

Protanomaly

82.8164, 0.3058, 0.3218

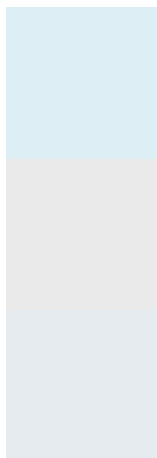
Deuteranomaly

83.0066, 0.3106, 0.3159

Tritanomaly

83.0630, 0.2947, 0.3145

Monochromacy



Original Color

83.0529, 0.2981, 0.3227

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.2477, 0.3069, 0.3259

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0529, 0.2981, 0.3227 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(221, 238, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 238, 244) }
```

Border

The CSS property to change the border of an element to Yxy 83.0529, 0.2981, 0.3227 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, 244) }
```

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

```
.border{ border-color:rgb(221, 238, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 238, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 238, 244); box-shadow:4px 4px 4px 4px rgb(221, 238, 244) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0529, 0.2981, 0.3227 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, 244) }
```

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

```
.background{ background-color: rgb(221,  
238, 244) }
```

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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