

Converting Colors

$Yxy(83.4204, 0.2997, 0.3296)$

Have a look what the booklet for
Yxy(83.4204, 0.2997, 0.3296)
contains.

Yxy(83.6122, 0.2998, 0.3300)	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(83.6122, 0.2998, 0.3300)

Conversions

Conversions Part 1

Format	Color
Hex	DBF0EF
RGB	219, 240, 239
RGB Percent	86%, 94%, 94%
CMY	0.1410, 0.0588, 0.0627
CMYK	0.09, 0.00, 0.00, 0.06
HSL	177°, 41%, 90%
HSV	177°, 9%, 94%
XYZ	75.9604, 83.6122, 93.7977
YIQ	233.6070, -12.1950, -4.7630

Conversions

Conversions Part 2

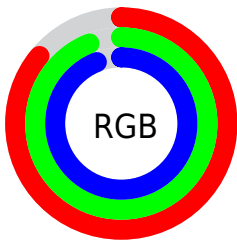
Format	Color
R _{YB}	219, 230, 240
Decimal	14414063
CIE Lab	93.28, -7.04, -1.88
CIE LCh	93, 7.288, 194.980
Yxy	83.6122, 0.2998, 0.3300
Android (android.graphics.Color)	4292604143 (0xFFDBF0EF)
YUV	233.6070, 2.6587, -12.8103
Hunter-Lab	91.4397, -11.7367, 3.1889

Details

The Yxy color **83.6122, 0.2998, 0.3300** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **74.3733, 0.3272, 0.3280**, and the grayscale version is **81.9591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.5924, 0.2970, 0.3303** is the 20% darker color. If you saturate the color by 10%, you get **80.0900, 0.2857, 0.3313**, and if you desaturate by 10%, it is **87.6785, 0.3146, 0.3289**.

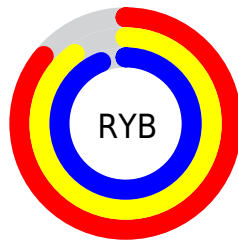
Distribution



Red (86%)

Green (94%)

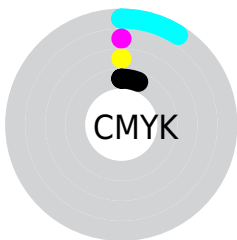
Blue (94%)



Red (86%)

Yellow (90%)

Blue (94%)

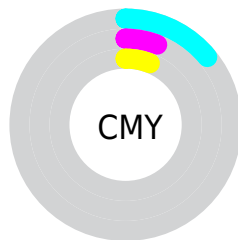


Cyan (9%)

Magenta (0%)

Yellow (0%)

Black (6%)



Cyan (14%)


Magenta (6%)

Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.6122, 0.2998, 0.3300 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 83.6122, 0.2998, 0.3300 by changing the saturation by 10% instead.

 83.6122, 0.2998,
0.3300

 83.6122, 0.2998,
0.3300


507.0246, 0.3056,
0.3296

 62.6953, 0.2985,
0.3301


138.4326, 0.3018,
0.3299

 45.5948, 0.2969,
0.3302

173.1048, 0.3026,
0.3298

 31.9262, 0.2949,
0.3303


213.1310, 0.3032,
0.3298

 21.3051, 0.2924,
0.3305

258.8955, 0.3038,
0.3297

 13.3472, 0.2890,
0.3307

310.7827, 0.3044,
0.3297

 7.6681, 0.2843,
0.3309

369.1771, 0.3048,

 3.8833, 0.2772,

0.3296

0.3312

434.4629, 0.3052,
0.3296

■ 1.6085, 0.2653,
0.3316

■ 0.3633, 0.1630,
0.3414

■ 83.6122, 0.2998,
0.3300

■ 83.6122, 0.2998,
0.3300

■ 80.0900, 0.2857,
0.3313

■ 87.6785, 0.3146,
0.3289

■ 77.0786, 0.2727,
0.3326

■ 89.9460, 0.3218,
0.3278


■ 74.5569, 0.2611,
0.3340


■ 90.0143, 0.3211,
0.3267


■ 72.4984, 0.2511,
0.3355

■ 90.0831, 0.3204,
0.3256


 70.8742, 0.2429,
0.3371


 90.1523, 0.3197,
0.3245

 69.6519, 0.2366,
0.3387


 90.2219, 0.3190,
0.3234


 68.7948, 0.2322,
0.3403

 90.2919, 0.3183,
0.3223

 68.2595, 0.2298,
0.3418

 90.3624, 0.3176,
0.3212

 67.9819, 0.2288,
0.3434

 90.4333, 0.3169,
0.3201

Harmonies

Analogous

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



83.6122, 0.3064, 0.3373



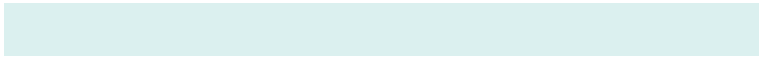
83.6122, 0.2998, 0.3300



83.6122, 0.2966, 0.3226

Triad

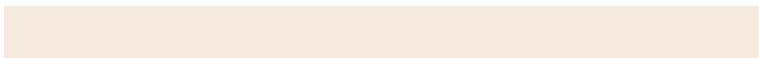
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6122, 0.2998, 0.3300



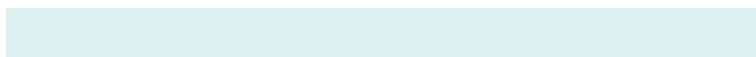
83.6122, 0.3105, 0.3162



83.6122, 0.3279, 0.3409

Complementary

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



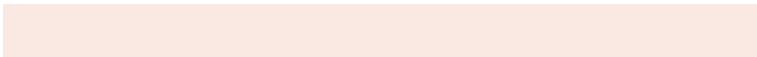
83.6122, 0.2998, 0.3300



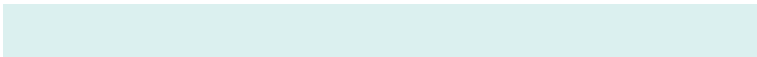
74.3733, 0.3272, 0.3280

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.



83.6122, 0.3291, 0.3351



83.6122, 0.2998, 0.3300



83.6122, 0.3189, 0.3210

Square

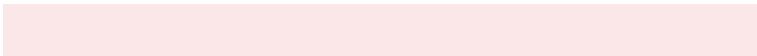
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6122, 0.2998, 0.3300



83.6122, 0.3027, 0.3147



83.6122, 0.3258, 0.3278



83.6122, 0.3227, 0.3436

Rectangle

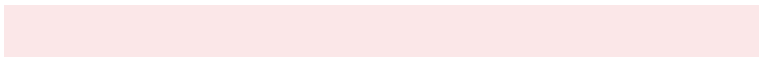
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



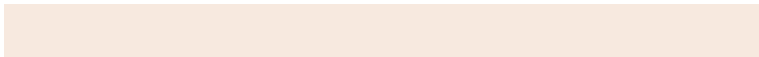
83.6122, 0.2998, 0.3300



83.6122, 0.2969, 0.3185



83.6122, 0.3258, 0.3278



83.6122, 0.3288, 0.3393

Sweetspot

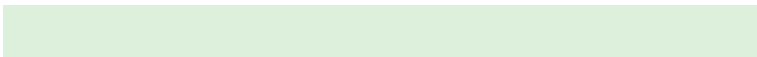
The Sweet Spot groups the original color and five complimentary colors.



83.6157, 0.2998, 0.3300



98.5545, 0.3082, 0.3293



82.6629, 0.3124, 0.3513



21.0141, 0.3070, 0.3294



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.



83.6157, 0.2998, 0.3300



95.4028, 0.2979, 0.3302



78.2636, 0.2992, 0.3190



17.9153, 0.2987, 0.3301



37.2060, 0.2287, 0.3433



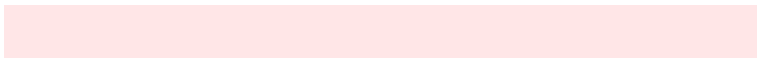
3.0992, 0.2281, 0.3413

Inverse Universe

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



74.3733, 0.3272, 0.3280



83.3288, 0.3296, 0.3279



79.3847, 0.3269, 0.3388



15.7710, 0.3286, 0.3279



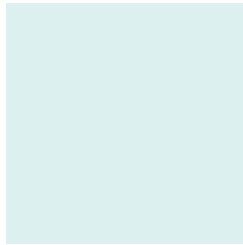
10.1601, 0.6351, 0.3272



0.8495, 0.6221, 0.3201

Previews

White Background



This preview shows how the Yxy color 83.6122, 0.2998, 0.3300 looks on a white background.

Color Contrast Check

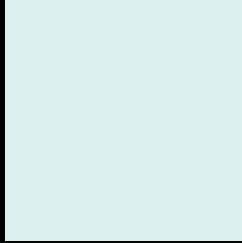
Large Text (above 18pt) WCAG AA × Fail

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 83.6122, 0.2998, 0.3300 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

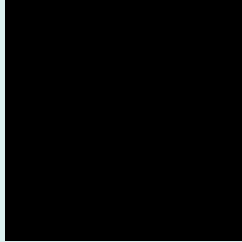
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

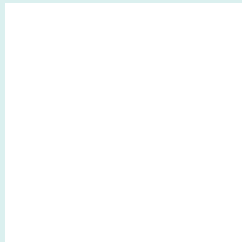
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6122, 0.2998, 0.3300

Background



This preview shows how black text looks on a background with the Yxy color 83.6122, 0.2998, 0.3300.

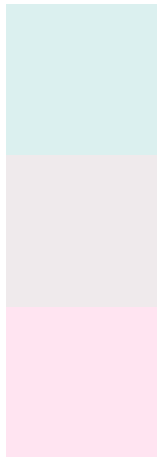


This preview shows how white text looks on a background with the Yxy color 83.6122, 0.2998, 0.3300.

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**

83.6122, 0.2998, 0.3300

Protanopia

83.2525, 0.3148, 0.3270

Deuteranopia

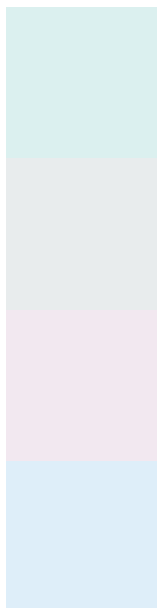
83.0977, 0.3230, 0.3163



Tritanopia

83.4763, 0.2930, 0.3105

Trichromacy



Original Color

83.6122, 0.2998, 0.3300

Protanomaly

83.2611, 0.3094, 0.3280

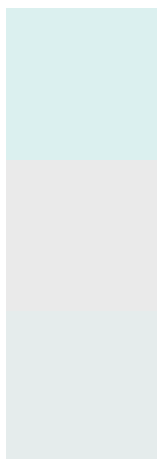
Deuteranomaly

82.8817, 0.3144, 0.3209

Tritanomaly

83.5182, 0.2959, 0.3176

Monochromacy



Original Color

83.6122, 0.2998, 0.3300

Achromatopsia

82.2786, 0.3127, 0.3290

Achromatomaly

82.7050, 0.3081, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6122, 0.2998, 0.3300 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(219, 240, 239)` looks like.

```
.text, #text, p{  
    color:rgb(219, 240, 239)  
}
```

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(219, 240, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 240, 239) }
```

Border

The CSS property to change the border of an element to Yxy 83.6122, 0.2998, 0.3300 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(219, 240, 239) }
```

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

```
.border{ border-color:rgb(219, 240, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 240, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 240, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 240, 239);  
box-shadow:4px 4px 4px 4px rgb(219, 240,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6122, 0.2998, 0.3300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 240, 239) }
```

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

```
.background{ background-color: rgb(219,  
240, 239) }
```

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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