

Converting Colors

$Yxy(83.6239, 0.2991, 0.3332)$

Have a look what the booklet for
Yxy(83.6239, 0.2991, 0.3332)
contains.

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Color

Yxy(83.6239, 0.2991, 0.3332)

Conversions

Conversions Part 1

Format	Color
Hex	D8F1ED
RGB	216, 241, 237
RGB Percent	85%, 95%, 93%
CMY	0.1528, 0.0549, 0.0707
CMYK	0.10, 0.00, 0.02, 0.05
HSL	170°, 47%, 90%
HSV	170°, 10%, 95%
XYZ	75.0658, 83.6239, 92.2824
YIQ	233.0690, -13.6160, -6.5440

Conversions

Conversions Part 2

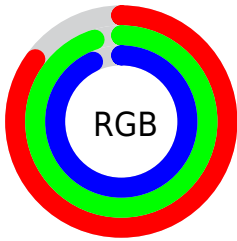
Format	Color
R _Y B	216, 230, 241
Decimal	14217709
CIE Lab	93.29, -8.89, -0.84
CIE LCh	93, 8.931, 185.428
Yxy	83.6239, 0.2991, 0.3332
Android (android.graphics.Color)	4292407789 (0xFFD8F1ED)
YUV	233.0690, 1.9380, -14.9695
Hunter-Lab	91.4461, -13.5046, 4.1800

Details

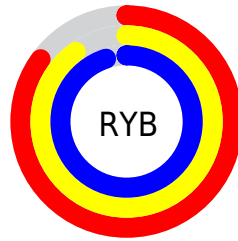
The Yxy color **83.6239, 0.2991, 0.3332** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.0051, 0.3282, 0.3248**, and the grayscale version is **81.5388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.6112, 0.2961, 0.3344** is the 20% darker color. If you saturate the color by 10%, you get **79.9962, 0.2866, 0.3377**, and if you desaturate by 10%, it is **87.8019, 0.3122, 0.3291**.

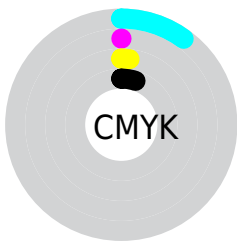
Distribution



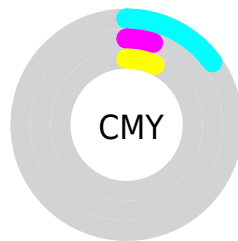
- Red (85%)
- Green (95%)
- Blue (93%)



- Red (85%)
- Yellow (90%)
- Blue (95%)



- Cyan (10%)
- Magenta (0%)
- Yellow (2%)
- Black (5%)



- Cyan (15%)
- Magenta (5%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.6239, 0.2991, 0.3332 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 83.6239, 0.2991, 0.3332 by changing the saturation by 10% instead.

83.6239, 0.2991,
0.3332

83.6239, 0.2991,
0.3332

507.0635, 0.3052,
0.3313

62.7050, 0.2977,
0.3336

138.4489, 0.3012,
0.3326

45.6026, 0.2961,
0.3341

173.1238, 0.3020,
0.3323

31.9323, 0.2940,
0.3347

213.1529, 0.3027,
0.3321

21.3098, 0.2913,
0.3356

258.9204, 0.3034,
0.3319

13.3506, 0.2877,
0.3366

310.8108, 0.3039,
0.3317

7.6704, 0.2827,
0.3381

369.2085, 0.3044,

3.8848, 0.2751,

0.3316

0.3403

434.4980, 0.3048,
0.3315

■ 1.6093, 0.2625,
0.3439

■ 0.3639, 0.1359,
0.3839

■ 83.6239, 0.2991,
0.3332

■ 83.6239, 0.2991,
0.3332

■ 79.9962, 0.2866,
0.3377

■ 87.8019, 0.3122,
0.3291

■ 76.8849, 0.2750,
0.3425

■ 90.7463, 0.3196,
0.3254

■ 74.2685, 0.2647,
0.3477

■ 90.9860, 0.3172,
0.3216

■ 72.1197, 0.2559,
0.3531

■ 91.2307, 0.3148,
0.3179

■ 70.4088, 0.2488,
0.3588

■ 91.3892, 0.3133,
0.3156

■ 69.1025, 0.2436,
0.3645

■ 68.1627, 0.2404,
0.3704

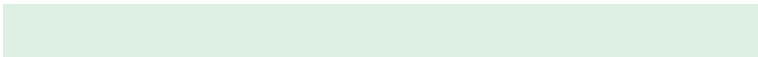
■ 67.5440, 0.2391,
0.3762

■ 67.1790, 0.2394,
0.3817

Harmonies

Analogous

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



83.6239, 0.3081, 0.3415



83.6239, 0.2991, 0.3332



83.6239, 0.2937, 0.3238

Triad

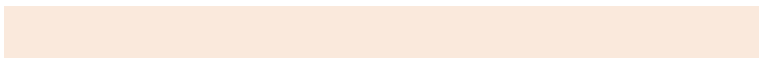
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6239, 0.2991, 0.3332



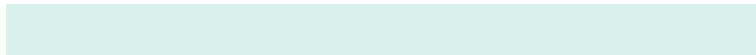
83.6239, 0.3067, 0.3123



83.6239, 0.3325, 0.3416

Complementary

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



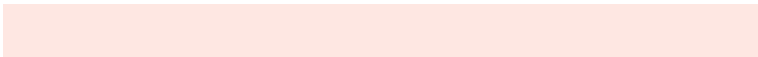
83.6239, 0.2991, 0.3332



73.0051, 0.3282, 0.3248

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.



83.6239, 0.3321, 0.3337



83.6239, 0.2991, 0.3332



83.6239, 0.3171, 0.3170

Square

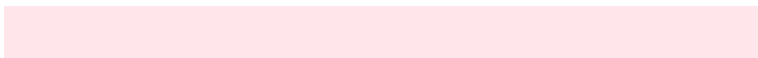
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.6239, 0.2991, 0.3332



83.6239, 0.2981, 0.3119



83.6239, 0.3264, 0.3247



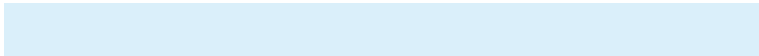
83.6239, 0.3274, 0.3464

Rectangle

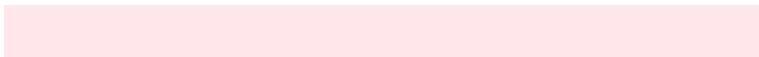
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



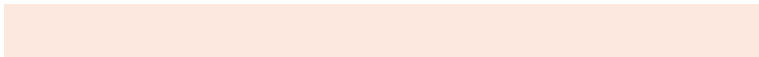
83.6239, 0.2991, 0.3332



83.6239, 0.2929, 0.3183



83.6239, 0.3264, 0.3247



83.6239, 0.3330, 0.3392

Sweetspot

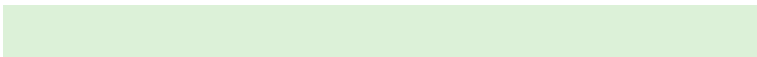
The Sweet Spot groups the original color and five complimentary colors.



83.6274, 0.2991, 0.3332



98.4986, 0.3087, 0.3302



83.1165, 0.3142, 0.3556



20.9990, 0.3076, 0.3305



0.0000, 0.0000, 0.0000



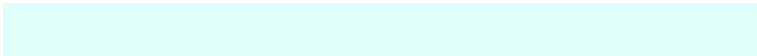
21.4041, 0.3127, 0.3290

Same Dimension

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



83.6274, 0.2991, 0.3332



94.3374, 0.2969, 0.3339



79.0527, 0.2967, 0.3201



17.8826, 0.3002, 0.3328



36.4475, 0.2391, 0.3807



3.0437, 0.2370, 0.3731

Inverse Universe

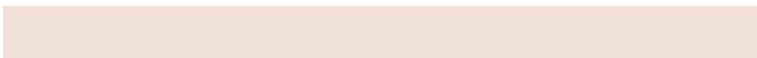
The Inverse Universe completely reimagines the original color for something new.



73.0051, 0.3282, 0.3248



80.4625, 0.3311, 0.3241



77.1661, 0.3301, 0.3377



15.8004, 0.3268, 0.3252



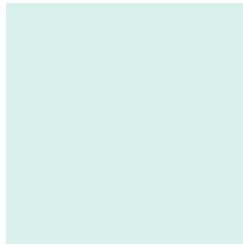
10.2328, 0.6168, 0.3172



0.8635, 0.5840, 0.2991

Previews

White Background



This preview shows how the Yxy color 83.6239, 0.2991, 0.3332 looks on a white background.

Color Contrast Check

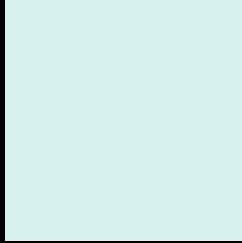
Large Text (above 18pt) WCAG AA × Fail

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 83.6239, 0.2991, 0.3332 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

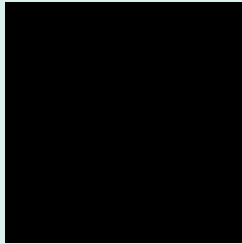
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

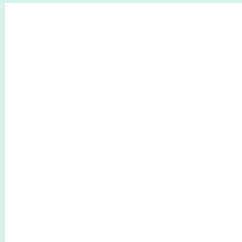
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 83.6239, 0.2991, 0.3332

Background



This preview shows how black text looks on a background with the Yxy color 83.6239, 0.2991, 0.3332.



This preview shows how white text looks on a background with the Yxy color 83.6239, 0.2991, 0.3332.

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

83.6239, 0.2991, 0.3332

Protanopia

83.2541, 0.3174, 0.3300

Deuteranopia

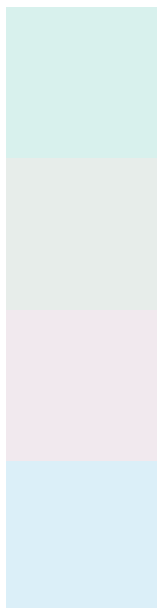
82.9788, 0.3243, 0.3182



Tritanopia

83.7412, 0.2918, 0.3115

Trichromacy



Original Color

83.6239, 0.2991, 0.3332

Protanomaly

83.4978, 0.3106, 0.3321

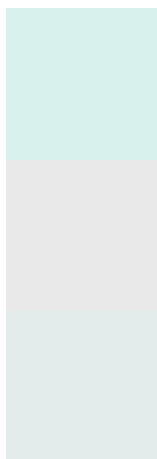
Deuteranomaly

83.1516, 0.3150, 0.3240

Tritanomaly

83.5704, 0.2946, 0.3196

Monochromacy



Original Color

83.6239, 0.2991, 0.3332

Achromatopsia

81.4847, 0.3127, 0.3290

Achromatomaly

82.2623, 0.3080, 0.3311

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.6239, 0.2991, 0.3332 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(216, 241, 237)` looks like.

```
.text, #text, p{  
    color:rgb(216, 241, 237)  
}
```

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(216, 241, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 241, 237) }
```

Border

The CSS property to change the border of an element to Yxy 83.6239, 0.2991, 0.3332 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(216, 241, 237) }
```

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

```
.border{ border-color:rgb(216, 241, 237) }
```

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

Here you see how a box with a 4 pixel rgb(216, 241, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 241, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 241, 237);  
box-shadow:4px 4px 4px 4px rgb(216, 241,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 83.6239, 0.2991, 0.3332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 241, 237) }
```

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

```
.background{ background-color: rgb(216,  
241, 237) }
```

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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