

Converting Colors

$Y_{xy}(84.8215, 0.2965, 0.3290)$

Have a look what the booklet for
Yxy(84.8215, 0.2965, 0.3290)
contains.

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Color

Yxy(84.6668, 0.2968, 0.3290)

Conversions

Conversions Part 1

Format	Color
Hex	D9F2F2
RGB	217, 242, 242
RGB Percent	85%, 95%, 95%
CMY	0.1492, 0.0509, 0.0511
CMYK	0.10, 0.00, 0.00, 0.05
HSL	180°, 49%, 90%
HSV	180°, 10%, 95%
XYZ	76.3803, 84.6668, 96.2988
YIQ	234.5250, -14.9000, -5.3000

Conversions

Conversions Part 2

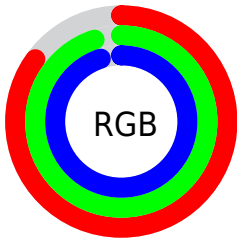
Format	Color
R _Y B	217, 230, 242
Decimal	14283506
CIE Lab	93.74, -8.16, -2.77
CIE LCh	94, 8.617, 198.763
Yxy	84.6668, 0.2968, 0.3290
Android (android.graphics.Color)	4292473586 (0xFFD9F2F2)
YUV	234.5250, 3.6852, -15.3694
Hunter-Lab	92.0146, -12.8546, 2.3596

Details

The Yxy color **84.6668, 0.2968, 0.3290** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **73.4923, 0.3311, 0.3290**, and the grayscale version is **82.6734, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **46.3444, 0.2933, 0.3289** is the 20% darker color. If you saturate the color by 10%, you get **81.2278, 0.2823, 0.3290**, and if you desaturate by 10%, it is **88.6567, 0.3122, 0.3290**.

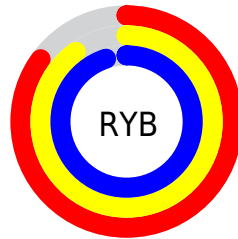
Distribution



Red (85%)

Green (95%)

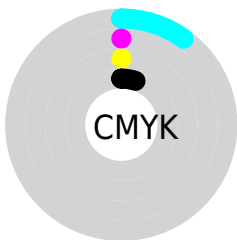
Blue (95%)



Red (85%)

Yellow (90%)

Blue (95%)

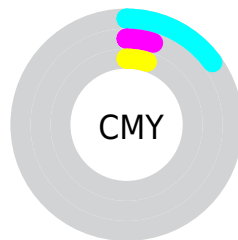


Cyan (10%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (15%)

Magenta (5%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.6668, 0.2968, 0.3290 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 84.6668, 0.2968, 0.3290 by changing the saturation by 10% instead.

84.6668, 0.2968,
0.3290

84.6668, 0.2968,
0.3290

510.5249, 0.3039,
0.3291

63.5661, 0.2952,
0.3290

139.9076, 0.2992,
0.3290

46.2993, 0.2933,
0.3289

174.8164, 0.3002,
0.3290

32.4821, 0.2909,
0.3289

215.0967, 0.3010,
0.3290

21.7300, 0.2878,
0.3288

261.1330, 0.3018,
0.3290

13.6586, 0.2837,
0.3287

313.3095, 0.3024,
0.3290

7.8836, 0.2779,
0.3285

372.0108, 0.3030,

4.0206, 0.2694,

0.3290

437.6211, 0.3035,
0.3291

0.3281

1.6851, 0.2554,
0.3273

0.4140, 0.1551,
0.3304

84.6668, 0.2968,
0.3290

84.6668, 0.2968,
0.3290

81.2278, 0.2823,
0.3290

88.6567, 0.3122,
0.3290

78.3055, 0.2691,
0.3290

91.1913, 0.3212,
0.3290


75.8782, 0.2573,
0.3291

91.1940, 0.3212,
0.3289


73.9183, 0.2472,
0.3291


91.1968, 0.3211,
0.3289


 72.3958, 0.2390,
0.3291


 91.1995, 0.3211,
0.3289


 71.2771, 0.2327,
0.3292


 91.2023, 0.3211,
0.3288


 70.5239, 0.2284,
0.3292

 91.2050, 0.3211,
0.3288

 70.0901, 0.2259,
0.3293

 91.2077, 0.3210,
0.3287

 69.9013, 0.2248,
0.3293

 91.2105, 0.3210,
0.3287

Harmonies

Analogous

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



84.6668, 0.3041, 0.3378



84.6668, 0.2968, 0.3290



84.6668, 0.2937, 0.3204

Triad

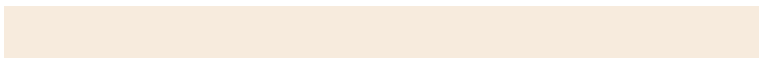
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.6668, 0.2968, 0.3290



84.6668, 0.3113, 0.3145



84.6668, 0.3301, 0.3436

Complementary

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



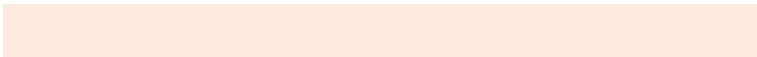
84.6668, 0.2968, 0.3290



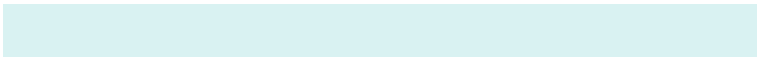
73.4923, 0.3311, 0.3290

Split Complementary

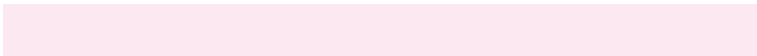
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.6668, 0.3322, 0.3372



84.6668, 0.2968, 0.3290



84.6668, 0.3212, 0.3205

Square

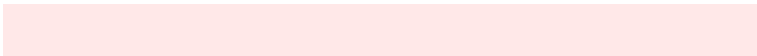
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.6668, 0.2968, 0.3290



84.6668, 0.3020, 0.3122



84.6668, 0.3289, 0.3287



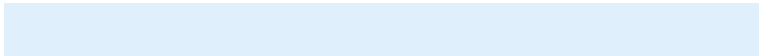
84.6668, 0.3234, 0.3463

Rectangle

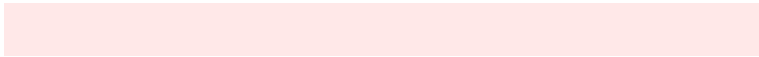
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.6668, 0.2968, 0.3290



84.6668, 0.2944, 0.3159



84.6668, 0.3289, 0.3287



84.6668, 0.3314, 0.3418

Sweetspot

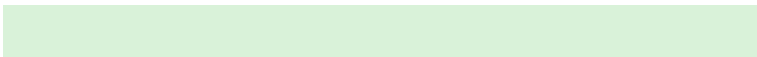
The Sweet Spot groups the original color and five complimentary colors.



84.6703, 0.2968, 0.3290



98.5769, 0.3080, 0.3290



83.3325, 0.3117, 0.3558



21.0202, 0.3068, 0.3290



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.



84.6703, 0.2968, 0.3290



94.6476, 0.2943, 0.3290



77.6972, 0.2966, 0.3161



17.9285, 0.2981, 0.3290



37.5445, 0.2248, 0.3293



3.1235, 0.2248, 0.3292

Inverse Universe

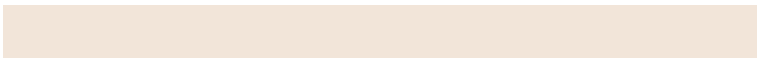
The Inverse Universe completely reimagines the original color for something new.



73.4923, 0.3311, 0.3290



80.1933, 0.3345, 0.3290



79.9651, 0.3297, 0.3415



15.7593, 0.3293, 0.3290



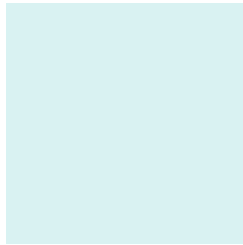
10.1418, 0.6399, 0.3299



0.8439, 0.6393, 0.3296

Previews

White Background



This preview shows how the Yxy color 84.6668, 0.2968, 0.3290 looks on a white background.

Color Contrast Check

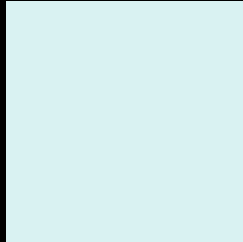
Large Text (above 18pt) WCAG AA × Fail

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 84.6668, 0.2968, 0.3290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

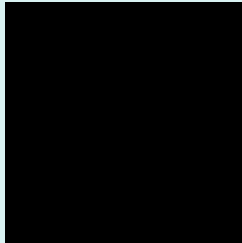
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

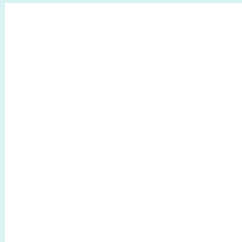
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.6668, 0.2968, 0.3290

Background



This preview shows how black text looks on a background with the Yxy color 84.6668, 0.2968, 0.3290.

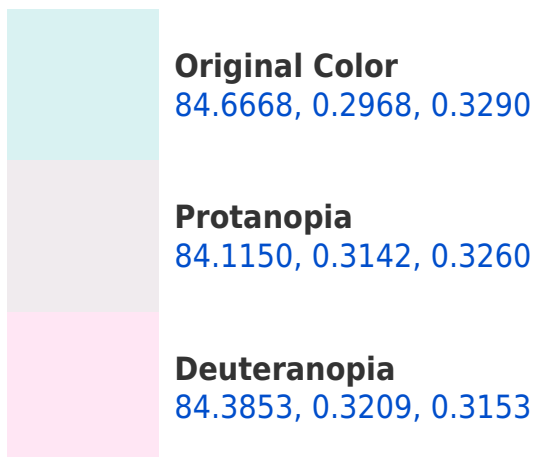


This preview shows how white text looks on a background with the Yxy color 84.6668, 0.2968, 0.3290.

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

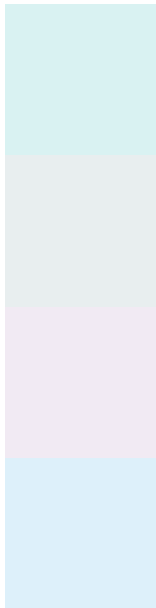




Tritanopia

84.6410, 0.2931, 0.3126

Trichromacy



Original Color

84.6668, 0.2968, 0.3290

Protanomaly

84.5369, 0.3082, 0.3280

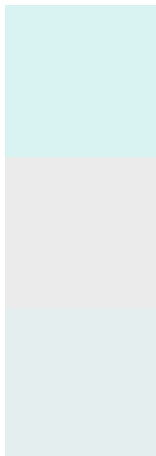
Deuteranomaly

84.0175, 0.3118, 0.3200

Tritanomaly

84.5945, 0.2947, 0.3187

Monochromacy



Original Color

84.6668, 0.2968, 0.3290

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

83.8161, 0.3062, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.6668, 0.2968, 0.3290 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(217, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(217, 242, 242)  
}
```

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(217, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 242, 242) }
```

Border

The CSS property to change the border of an element to Yxy 84.6668, 0.2968, 0.3290 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(217, 242, 242) }
```

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

```
.border{ border-color:rgb(217, 242, 242) }
```

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

Here you see how a box with a 4 pixel rgb(217, 242, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(217, 242,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 84.6668, 0.2968, 0.3290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 242, 242) }
```

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

```
.background{ background-color: rgb(217,  
242, 242) }
```

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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