

Converting Colors

$Yxy(88.8061, 0.2990, 0.3407)$

Have a look what the booklet for
Yxy(88.8061, 0.2990, 0.3407)
contains.

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Color

Yxy(88.6761, 0.2991, 0.3404)

Conversions

Conversions Part 1

Format	Color
Hex	D9F9EE
RGB	217, 249, 238
RGB Percent	85%, 98%, 93%
CMY	0.1492, 0.0235, 0.0666
CMYK	0.13, 0.00, 0.04, 0.02
HSL	159°, 73%, 91%
HSV	159°, 13%, 98%
XYZ	77.9172, 88.6761, 93.9123
YIQ	238.1780, -15.5410, -10.2050

Conversions

Conversions Part 2

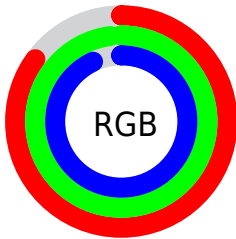
Format	Color
R _Y B	217, 236, 249
Decimal	14285294
CIE Lab	95.44, -12.41, 1.77
CIE LCh	95, 12.539, 171.894
Yxy	88.6761, 0.2991, 0.3404
Android (android.graphics.Color)	4292475374 (0xFFD9F9EE)
YUV	238.1780, -0.0878, -18.5731
Hunter-Lab	94.1680, -17.0981, 6.7886

Details

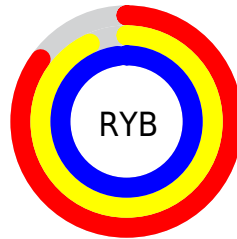
The Yxy color **88.6761, 0.2991, 0.3404** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **75.3482, 0.3285, 0.3179**, and the grayscale version is **85.6532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.1987, 0.2963, 0.3437** is the 20% darker color. If you saturate the color by 10%, you get **84.6580, 0.2890, 0.3503**, and if you desaturate by 10%, it is **93.3012, 0.3096, 0.3314**.

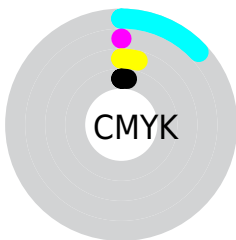
Distribution



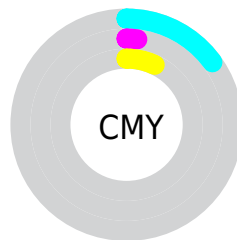
- Red (85%)
- Green (98%)
- Blue (93%)



- Red (85%)
- Yellow (93%)
- Blue (98%)



- Cyan (13%)
- Magenta (0%)
- Yellow (4%)
- Black (2%)



- Cyan (15%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6761, 0.2991, 0.3404 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 88.6761, 0.2991, 0.3404 by changing the saturation by 10% instead.

88.6761, 0.2991,
0.3404

88.6761, 0.2991,
0.3404

523.7148, 0.3052,
0.3353

66.8831, 0.2978,
0.3415

145.4981, 0.3012,
0.3387

48.9897, 0.2961,
0.3429

181.2959, 0.3020,
0.3380

34.6113, 0.2941,
0.3447

222.5307, 0.3027,
0.3374

23.3636, 0.2914,
0.3469

269.5870, 0.3033,
0.3368

14.8622, 0.2879,
0.3499

322.8492, 0.3039,
0.3364

8.7227, 0.2831,
0.3540

382.7016, 0.3044,

4.5608, 0.2759,

0.3360

0.3603

449.5287, 0.3048,
0.3356

■ 1.9919, 0.2641,
0.3706

■ 0.6028, 0.1920,
0.4289

■ 88.6761, 0.2991,
0.3404

■ 88.6761, 0.2991,
0.3404

■ 84.6580, 0.2890,
0.3503

■ 93.3012, 0.3096,
0.3314

■ 81.2096, 0.2797,
0.3612

■ 96.2395, 0.3130,
0.3233

■ 78.3067, 0.2715,
0.3729

■ 75.9189, 0.2647,
0.3854

■ 74.0127, 0.2596,
0.3984

■ 72.5506, 0.2563,
0.4117

■ 71.4892, 0.2552,
0.4251

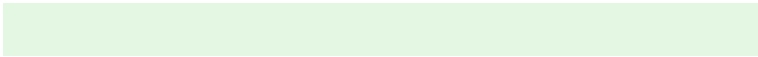
■ 70.7762, 0.2561,
0.4383

■ 70.4253, 0.2577,
0.4475

Harmonies

Analogous

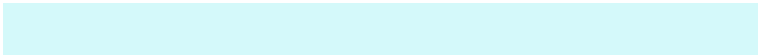
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6761, 0.3128, 0.3502



88.6761, 0.2991, 0.3404



88.6761, 0.2892, 0.3275

Triad

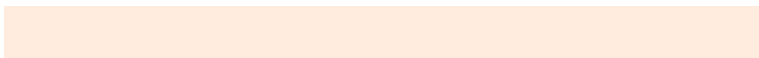
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.6761, 0.2991, 0.3404



88.6761, 0.2986, 0.3051



88.6761, 0.3407, 0.3417

Complementary

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



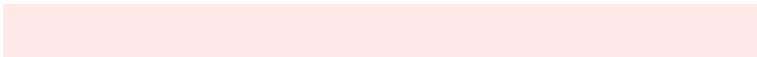
88.6761, 0.2991, 0.3404



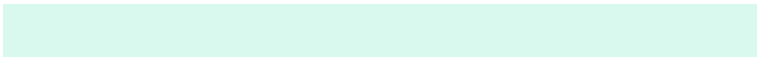
75.3482, 0.3285, 0.3179

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.



88.6761, 0.3368, 0.3298



88.6761, 0.2991, 0.3404



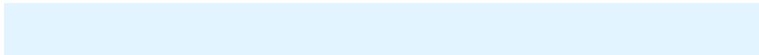
88.6761, 0.3122, 0.3090

Square

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



88.6761, 0.2991, 0.3404



88.6761, 0.2889, 0.3073



88.6761, 0.3262, 0.3179



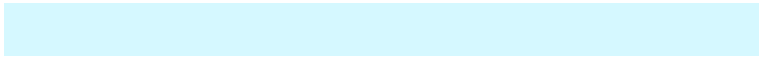
88.6761, 0.3369, 0.3506

Rectangle

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



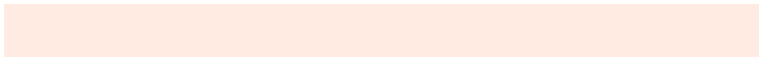
88.6761, 0.2991, 0.3404



88.6761, 0.2860, 0.3191



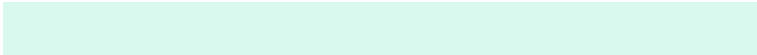
88.6761, 0.3262, 0.3179



88.6761, 0.3402, 0.3379

Sweetspot

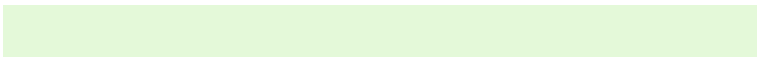
The Sweet Spot groups the original color and five complimentary colors.



88.6798, 0.2991, 0.3404



97.8932, 0.3084, 0.3324



89.2909, 0.3183, 0.3623



20.8709, 0.3076, 0.3330



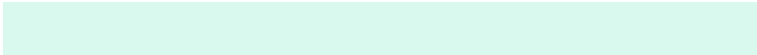
0.0000, 0.0000, 0.0000



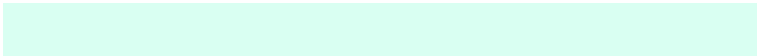
21.4041, 0.3127, 0.3290

Same Dimension

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



88.6798, 0.2991, 0.3404



92.6370, 0.2969, 0.3425



86.4117, 0.2929, 0.3240



19.5015, 0.3026, 0.3373



37.7208, 0.2571, 0.4454



3.5135, 0.2527, 0.4298

Inverse Universe

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



75.3482, 0.3285, 0.3179



76.4628, 0.3316, 0.3159



77.2710, 0.3356, 0.3340



17.3235, 0.3240, 0.3209



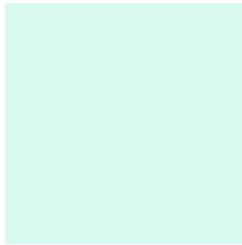
11.1590, 0.5608, 0.2863



1.0526, 0.5276, 0.2680

Previews

White Background



This preview shows how the Yxy color 88.6761, 0.2991, 0.3404 looks on a white background.

Color Contrast Check

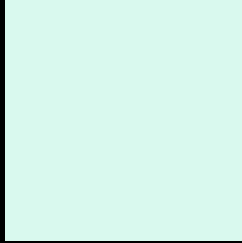
Large Text (above 18pt) WCAG AA × Fail

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 88.6761, 0.2991, 0.3404 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

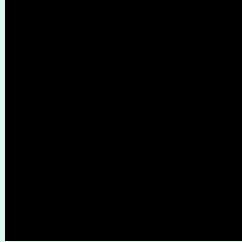
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

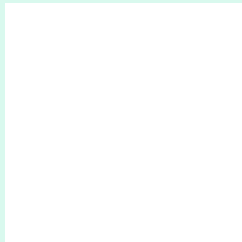
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.6761, 0.2991, 0.3404

Background



This preview shows how black text looks on a background with the Yxy color 88.6761, 0.2991, 0.3404.

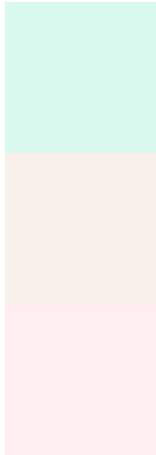


This preview shows how white text looks on a background with the Yxy color 88.6761, 0.2991, 0.3404.

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

88.6761, 0.2991, 0.3404

Protanopia

88.1598, 0.3223, 0.3360

Deuteranopia

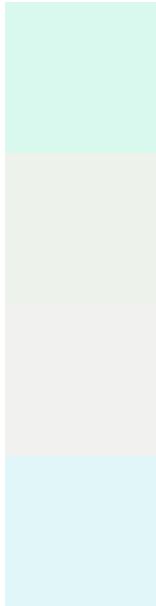
88.1792, 0.3223, 0.3251



Tritanopia

88.7444, 0.2975, 0.3179

Trichromacy



Original Color

88.6761, 0.2991, 0.3404

Protanomaly

88.1039, 0.3136, 0.3371

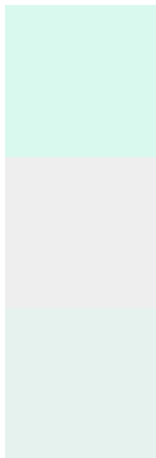
Deuteranomaly

87.9026, 0.3133, 0.3300

Tritanomaly

88.7586, 0.2978, 0.3259

Monochromacy



Original Color

88.6761, 0.2991, 0.3404

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.5003, 0.3074, 0.3331

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6761, 0.2991, 0.3404 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, 249, 238)` looks like.

```
.text, #text, p{  
    color:rgb(217, 249, 238)  
}
```

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, 249, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 249, 238) }
```

Border

The CSS property to change the border of an element to Yxy 88.6761, 0.2991, 0.3404 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, 249, 238) }
```

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

```
.border{ border-color:rgb(217, 249, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 249, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 249, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 249, 238);  
box-shadow:4px 4px 4px 4px rgb(217, 249,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6761, 0.2991, 0.3404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 249, 238) }
```

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

```
.background{ background-color: rgb(217,  
249, 238) }
```

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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