

Converting Colors

$Yxy(89.6442, 0.3018, 0.3475)$

Have a look what the booklet for
Yxy(89.6442, 0.3018, 0.3475)
contains.

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Color

Yxy(89.6293, 0.3019, 0.3478)

Conversions

Conversions Part 1

Format	Color
Hex	D9FBE9
RGB	217, 251, 233
RGB Percent	85%, 98%, 91%
CMY	0.1493, 0.0156, 0.0864
CMYK	0.14, 0.00, 0.07, 0.02
HSL	148°, 81%, 92%
HSV	148°, 14%, 98%
XYZ	77.8007, 89.6293, 90.2736
YIQ	238.7820, -14.4860, -12.8060

Conversions

Conversions Part 2

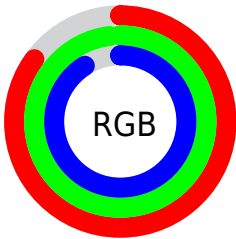
Format	Color
R _Y B	217, 240, 251
Decimal	14285801
CIE Lab	95.84, -14.36, 4.95
CIE LCh	96, 15.190, 161.000
Yxy	89.6293, 0.3019, 0.3478
Android (android.graphics.Color)	4292475881 (0xFFD9FBE9)
YUV	238.7820, -2.8505, -19.1028
Hunter-Lab	94.6728, -18.9886, 9.7360

Details

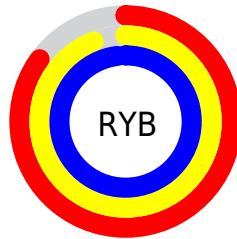
The Yxy color **89.6293, 0.3019, 0.3478** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **76.0972, 0.3251, 0.3109**, and the grayscale version is **86.1608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.4393, 0.2999, 0.3519** is the 20% darker color. If you saturate the color by 10%, you get **85.3453, 0.2943, 0.3636**, and if you desaturate by 10%, it is **94.5630, 0.3098, 0.3337**.

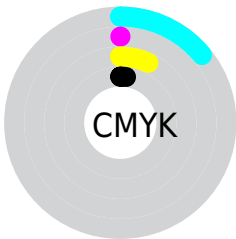
Distribution



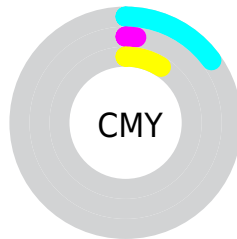
- Red (85%)
- Green (98%)
- Blue (91%)



- Red (85%)
- Yellow (94%)
- Blue (98%)



- Cyan (14%)
- Magenta (0%)
- Yellow (7%)
- Black (2%)





- Cyan (15%)
- Magenta (2%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.6293, 0.3019, 0.3478 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 89.6293, 0.3019, 0.3478 by changing the saturation by 10% instead.


 89.6293, 0.3019,
0.3478

 89.6293, 0.3019,
0.3478


526.8242, 0.3068,
0.3393

 67.6732, 0.3008,
0.3497


146.8234, 0.3036,
0.3449

 49.6319, 0.2995,
0.3520


182.8302, 0.3042,
0.3437

 35.1210, 0.2978,
0.3549

224.2893, 0.3048,
0.3428

 23.7561, 0.2957,
0.3587

271.5852, 0.3053,
0.3419

 15.1528, 0.2928,
0.3637

325.1022, 0.3057,
0.3411

 8.9267, 0.2888,
0.3708

385.2248, 0.3061,

 4.6934, 0.2827,

0.3405

0.3815

452.3374, 0.3065,
0.3398

■ 2.0685, 0.2726,
0.3996

■ 0.6468, 0.2081,
0.5095

■ 89.6293, 0.3019,
0.3478

■ 89.6293, 0.3019,
0.3478

■ 85.3453, 0.2943,
0.3636

■ 94.5630, 0.3098,
0.3337


■ 81.6721, 0.2872,
0.3809

■ 97.4910, 0.3129,
0.3252


■ 78.5837, 0.2809,
0.3997


■ 76.0481, 0.2760,
0.4197

 74.0297, 0.2725,
0.4405

 72.4889, 0.2709,
0.4616

 71.3797, 0.2713,
0.4823

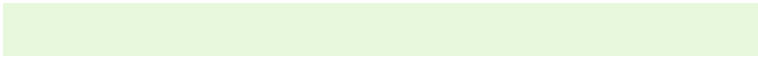
 70.6466, 0.2737,
0.5019

 70.3233, 0.2760,
0.5137

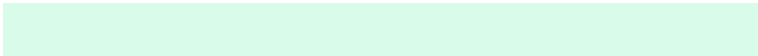
Harmonies

Analogous

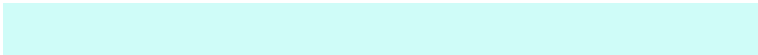
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6293, 0.3190, 0.3573



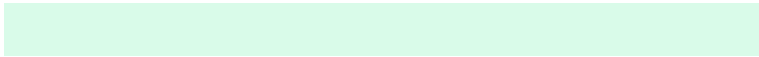
89.6293, 0.3019, 0.3478



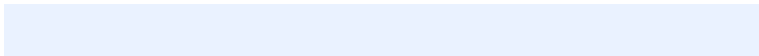
89.6293, 0.2880, 0.3329

Triad

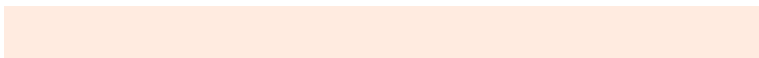
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.6293, 0.3019, 0.3478



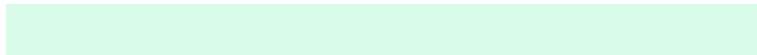
89.6293, 0.2907, 0.3004



89.6293, 0.3459, 0.3392

Complementary

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



89.6293, 0.3019, 0.3478



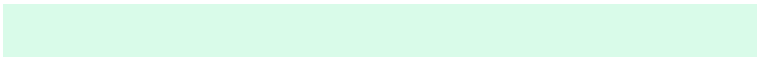
76.0972, 0.3251, 0.3109

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.



89.6293, 0.3379, 0.3245



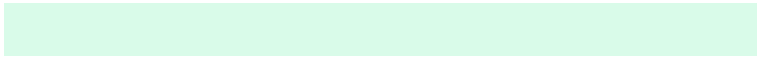
89.6293, 0.3019, 0.3478



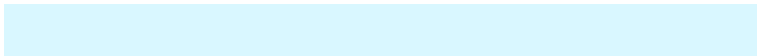
89.6293, 0.3058, 0.3025

Square

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



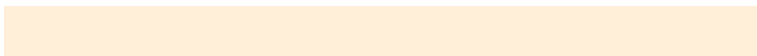
89.6293, 0.3019, 0.3478



89.6293, 0.2816, 0.3056



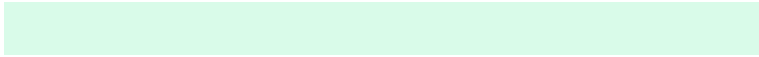
89.6293, 0.3231, 0.3113



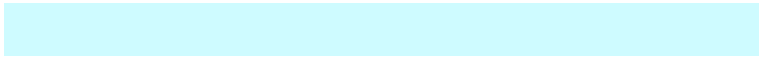
89.6293, 0.3447, 0.3517

Rectangle

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



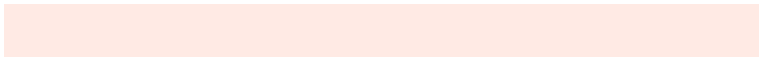
89.6293, 0.3019, 0.3478



89.6293, 0.2822, 0.3223



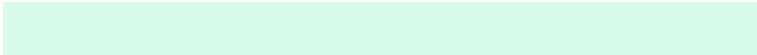
89.6293, 0.3231, 0.3113



89.6293, 0.3442, 0.3343

Sweetspot

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



89.6331, 0.3019, 0.3478



97.7737, 0.3095, 0.3342



91.6981, 0.3227, 0.3638



20.8406, 0.3089, 0.3352



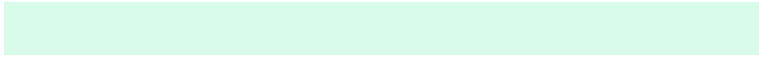
0.0000, 0.0000, 0.0000



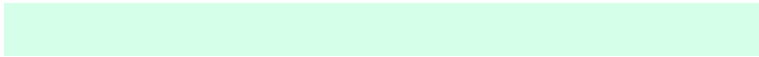
21.4041, 0.3127, 0.3290

Same Dimension

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



89.6331, 0.3019, 0.3478



91.7528, 0.3000, 0.3515



90.6463, 0.2926, 0.3301



19.4453, 0.3051, 0.3418



36.9848, 0.2752, 0.5107



3.4467, 0.2689, 0.4881

Inverse Universe

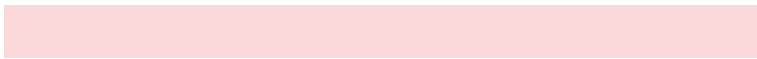
The Inverse Universe completely reimagines the original color for something new.



76.0972, 0.3251, 0.3109



75.4985, 0.3277, 0.3076



75.1659, 0.3370, 0.3279



17.3787, 0.3211, 0.3165



11.6979, 0.4839, 0.2439



1.1049, 0.4590, 0.2302

Previews

White Background



This preview shows how the Yxy color 89.6293, 0.3019, 0.3478 looks on a white background.

Color Contrast Check

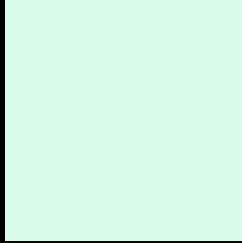
Large Text (above 18pt) WCAG AA × Fail

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 89.6293, 0.3019, 0.3478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

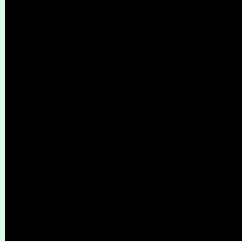
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

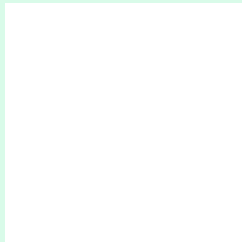
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 89.6293, 0.3019, 0.3478

Background



This preview shows how black text looks on a background with the Yxy color 89.6293, 0.3019, 0.3478.

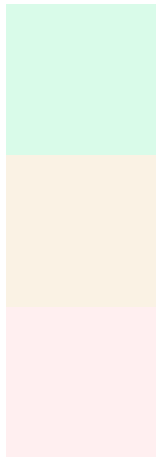


This preview shows how white text looks on a background with the Yxy color 89.6293, 0.3019, 0.3478.

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

89.6293, 0.3019, 0.3478

Protanopia

89.4297, 0.3266, 0.3429

Deuteranopia

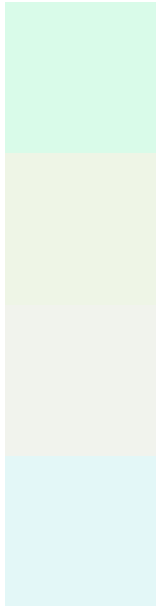
89.2843, 0.3227, 0.3281



Tritanopia

89.0772, 0.2987, 0.3180

Trichromacy



Original Color

89.6293, 0.3019, 0.3478

Protanomaly

89.1951, 0.3172, 0.3442

Deuteranomaly

88.9164, 0.3150, 0.3350

Tritanomaly

89.5678, 0.3002, 0.3290

Monochromacy



Original Color

89.6293, 0.3019, 0.3478

Achromatopsia

86.3157, 0.3127, 0.3290

Achromatomaly

87.2045, 0.3086, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6293, 0.3019, 0.3478 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, 251, 233)` looks like.

```
.text, #text, p{  
    color:rgb(217, 251, 233)  
}
```

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, 251, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 251, 233) }
```

Border

The CSS property to change the border of an element to Yxy 89.6293, 0.3019, 0.3478 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, 251, 233) }
```

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

```
.border{ border-color:rgb(217, 251, 233) }
```

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

Here you see how a box with a 4 pixel rgb(217, 251, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 251, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 251, 233);  
box-shadow:4px 4px 4px 4px rgb(217, 251,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6293, 0.3019, 0.3478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 251, 233) }
```

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

```
.background{ background-color: rgb(217,  
251, 233) }
```

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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