

Converting Colors

$Yxy(77.5308, 0.2625, 0.3589)$

Have a look what the booklet for
Yxy(77.5308, 0.2625, 0.3589)
contains.

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Color

Yxy(77.5308, 0.2625, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	86F8DF
RGB	134, 248, 223
RGB Percent	53%, 97%, 87%
CMY	0.4749, 0.0274, 0.1255
CMYK	0.46, 0.00, 0.10, 0.03
HSL	167°, 89%, 75%
HSV	167°, 46%, 97%
XYZ	56.7061, 77.5308, 81.7865
YIQ	211.0640, -59.9190, -31.9430

Conversions

Conversions Part 2

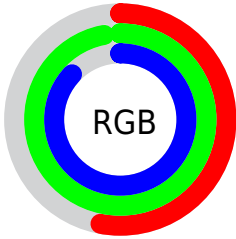
Format	Color
RYB	134, 198, 248
Decimal	8845535
CIELab	90.57, -38.41, 1.93
CIElCh	91, 38.461, 177.125
Yxy	77.5308, 0.2625, 0.3589
Android (android.graphics.Color)	4287035615 (0xFF86F8DF)
YUV	211.0640, 5.8844, -67.5851
Hunter-Lab	88.0516, -39.1344, 6.5648

Details

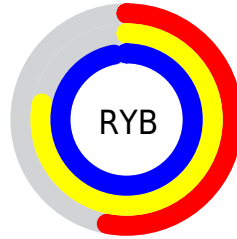
The Yxy color **77.5308, 0.2625, 0.3589** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.4840, 0.4097, 0.3025**, and the grayscale version is **65.1626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **41.5446, 0.2510, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **75.4425, 0.2551, 0.3667**, and if you desaturate by 10%, it is **80.1124, 0.2715, 0.3515**.

Distribution



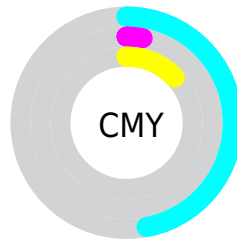
- Red (53%)
- Green (97%)
- Blue (87%)



- Red (53%)
- Yellow (78%)
- Blue (97%)



- Cyan (46%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)




- Cyan (47%)
- Magenta (3%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5308, 0.2625, 0.3589 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 77.5308, 0.2625, 0.3589 by changing the saturation by 10% instead.


 77.5308, 0.2625,
0.3589

 77.5308, 0.2625,
0.3589


486.5719, 0.2854,
0.3451


 57.6886, 0.2573,
0.3620

 129.8885, 0.2704,
0.3541

 41.5584, 0.2510,
0.3659


 163.1728, 0.2735,
0.3523

 28.7556, 0.2431,
0.3707


 201.7066, 0.2761,
0.3507

 18.8960, 0.2328,
0.3770

245.8743, 0.2785,
0.3493

 11.5952, 0.2191,
0.3855

296.0603, 0.2805,
0.3481

 6.4687, 0.1998,
0.3977

352.6489, 0.2823,

 3.1321, 0.1711,

0.3470

0.4161

416.0247, 0.2840,
0.3460

■ 1.2011, 0.0689,
0.4758

■ 0.0626, 0.0000,
1.0000

■ 77.5308, 0.2625,
0.3589

■ 77.5308, 0.2625,
0.3589

■ 75.4425, 0.2551,
0.3667

■ 80.1124, 0.2715,
0.3515

■ 73.8042, 0.2495,
0.3747


■ 83.2087, 0.2818,
0.3446


■ 72.5805, 0.2459,
0.3828

■ 86.8510, 0.2932,
0.3381

■ 71.7265, 0.2444,
0.3910

■ 91.0654, 0.3052,
0.3323

 71.1865, 0.2446,
0.3991

 95.3196, 0.3159,
0.3269

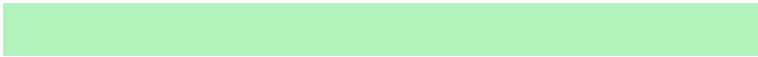
 71.0247, 0.2451,
0.4023

 95.6257, 0.3130,
0.3223

Harmonies

Analogous

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



77.5308, 0.3028, 0.3965



77.5308, 0.2625, 0.3589



77.5308, 0.2366, 0.3140

Triad

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



77.5308, 0.2625, 0.3589



77.5308, 0.2740, 0.2576



77.5308, 0.4029, 0.3710

Complementary

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



77.5308, 0.2625, 0.3589



39.4840, 0.4097, 0.3025

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.



77.5308, 0.3950, 0.3350



77.5308, 0.2625, 0.3589



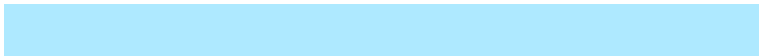
77.5308, 0.3176, 0.2725

Square

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



77.5308, 0.2625, 0.3589



77.5308, 0.2430, 0.2589



77.5308, 0.3629, 0.3000



77.5308, 0.3848, 0.3998

Rectangle

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



77.5308, 0.2625, 0.3589



77.5308, 0.2299, 0.2884



77.5308, 0.3629, 0.3000



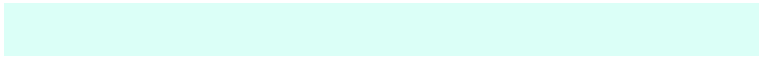
77.5308, 0.4033, 0.3593

Sweetspot

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



77.5339, 0.2625, 0.3589



93.3527, 0.2955, 0.3369



76.3927, 0.3212, 0.4676



19.7854, 0.2930, 0.3382



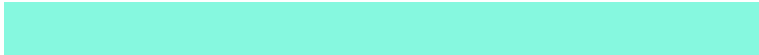
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



77.5339, 0.2625, 0.3589



80.5434, 0.2557, 0.3659



61.7680, 0.2446, 0.2920



19.5396, 0.3010, 0.3343



38.3832, 0.2447, 0.4010



3.5705, 0.2420, 0.3913

Inverse Universe

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



39.4840, 0.4097, 0.3025



35.5243, 0.4407, 0.2983



48.3491, 0.4218, 0.3619



17.2875, 0.3259, 0.3238



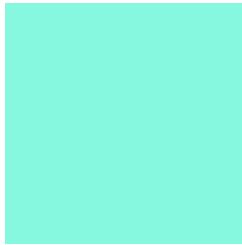
10.9432, 0.6025, 0.3093



1.0286, 0.5703, 0.2915

Previews

White Background



This preview shows how the Yxy color 77.5308, 0.2625, 0.3589 looks on a white background.

Color Contrast Check

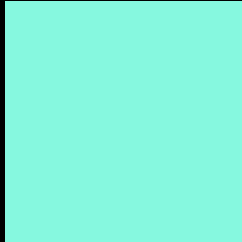
Large Text (above 18pt) WCAG AA × Fail

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 77.5308, 0.2625, 0.3589 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 77.5308, 0.2625, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 77.5308, 0.2625, 0.3589.

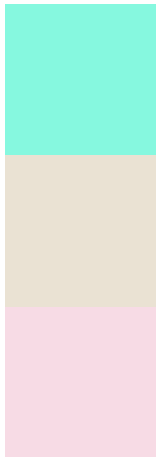


This preview shows how white text looks on a background with the Yxy color 77.5308, 0.2625, 0.3589.

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

77.5308, 0.2625, 0.3589

Protanopia

76.5883, 0.3283, 0.3449

Deuteranopia

76.0943, 0.3261, 0.3189



Tritanopia

77.0600, 0.2609, 0.3110

Trichromacy



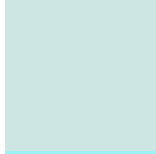
Original Color

77.5308, 0.2625, 0.3589



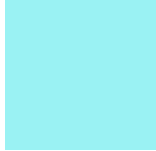
Protanomaly

75.7577, 0.3005, 0.3504



Deuteranomaly

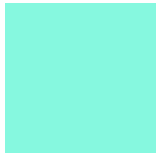
75.2615, 0.2985, 0.3323



Tritanomaly

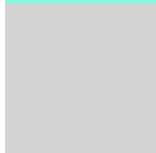
76.8454, 0.2612, 0.3277

Monochromacy



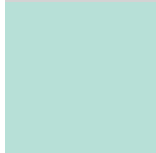
Original Color

77.5308, 0.2625, 0.3589



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.2849, 0.2906, 0.3395

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5308, 0.2625, 0.3589 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(134, 248, 223)` looks like.

```
.text, #text, p{  
    color:rgb(134, 248, 223)  
}
```

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(134, 248, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 248, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.5308, 0.2625, 0.3589 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(134, 248, 223) }
```

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

```
.border{ border-color:rgb(134, 248, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 248, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 248, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 248, 223);  
box-shadow:4px 4px 4px 4px rgb(134, 248,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5308, 0.2625, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 248, 223) }
```

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

```
.background{ background-color: rgb(134,  
248, 223) }
```

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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