

Converting Colors

$Yxy(77.4128, 0.2444, 0.3562)$

Have a look what the booklet for
Yxy(77.4128, 0.2444, 0.3562)
contains.

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Color

Yxy(77.4087, 0.2442, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	58FCE6
RGB	88, 252, 230
RGB Percent	35%, 99%, 90%
CMY	0.6549, 0.0117, 0.0982
CMYK	0.65, 0.00, 0.09, 0.01
HSL	172°, 96%, 67%
HSV	172°, 65%, 99%
XYZ	53.1138, 77.4087, 86.9788
YIQ	200.4560, -90.6820, -41.6100

Conversions

Conversions Part 2

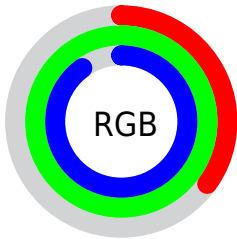
Format	Color
RYB	88, 176, 252
Decimal	5831910
CIELab	90.51, -47.25, -1.94
CIELCh	91, 47.294, 182.346
Yxy	77.4087, 0.2442, 0.3559
Android (android.graphics.Color)	4284021990 (0xFF58FCE6)
YUV	200.4560, 14.5652, -98.6239
Hunter-Lab	87.9822, -46.2106, 2.9738

Details

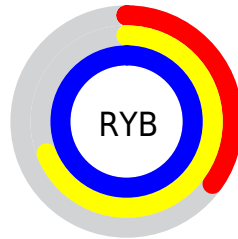
The Yxy color **77.4087, 0.2442, 0.3559** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **28.8042, 0.4988, 0.3093**, and the grayscale version is **58.0062, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7086, 0.2583, 0.3288**, and **42.1254, 0.2337, 0.3612** is the 20% darker color. If you saturate the color by 10%, you get **76.1986, 0.2398, 0.3607**, and if you desaturate by 10%, it is **79.0533, 0.2506, 0.3512**.

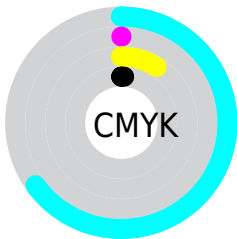
Distribution



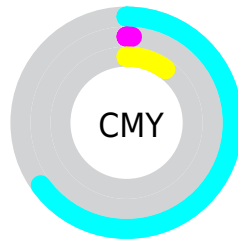
- Red (35%)
- Green (99%)
- Blue (90%)



- Red (35%)
- Yellow (69%)
- Blue (99%)



- Cyan (65%)
- Magenta (0%)
- Yellow (9%)
- Black (1%)





- Cyan (65%)
- Magenta (1%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 77.4087, 0.2442, 0.3559 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 77.4087, 0.2442, 0.3559 by changing the saturation by 10% instead.


 77.4087, 0.2442,
0.3559

 77.4087, 0.2442,
0.3559

486.1564, 0.2752,
0.3439

 57.5884, 0.2373,
0.3585


 129.7162, 0.2548,
0.3518


 41.4778, 0.2289,
0.3617


 162.9722, 0.2589,
0.3502

 28.6926, 0.2185,
0.3656


 201.4756, 0.2626,
0.3488

 18.8484, 0.2052,
0.3706

 245.6107, 0.2657,
0.3476

 11.5608, 0.1876,
0.3770

295.7619, 0.2685,
0.3465

 6.4454, 0.1636,
0.3855

352.3137, 0.2710,

 3.1177, 0.1293,

0.3456

0.3971

415.6504, 0.2732,
0.3447

■ 1.1935, 0.0000,
0.4478

■ 0.0564, 0.0000,
0.2228

■ 77.4087, 0.2442,
0.3559

■ 77.4087, 0.2442,
0.3559

■ 76.1986, 0.2398,
0.3607

■ 79.0533, 0.2506,
0.3512

■ 75.3681, 0.2373,
0.3655

■ 81.1628, 0.2588,
0.3466


■ 74.8635, 0.2367,
0.3702


■ 83.7752, 0.2687,
0.3422


■ 74.6946, 0.2368,
0.3725

■ 86.9220, 0.2801,
0.3381

 90.6324, 0.2925,
0.3342

 94.9331, 0.3058,
0.3307

 98.0203, 0.3136,
0.3274

 98.1054, 0.3128,
0.3262

Harmonies

Analogous

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



77.4087, 0.2904, 0.4071



77.4087, 0.2442, 0.3559



77.4087, 0.2174, 0.3006

Triad

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



77.4087, 0.2442, 0.3559



77.4087, 0.2735, 0.2450



77.4087, 0.4215, 0.3855

Complementary

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



77.4087, 0.2442, 0.3559



28.8042, 0.4988, 0.3093

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.



77.4087, 0.4183, 0.3426



77.4087, 0.2442, 0.3559



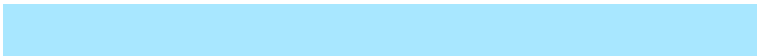
77.4087, 0.3282, 0.2658

Square

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



77.4087, 0.2442, 0.3559



77.4087, 0.2332, 0.2423



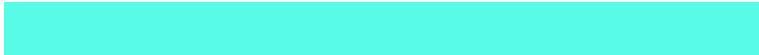
77.4087, 0.3830, 0.3003



77.4087, 0.3936, 0.4194

Rectangle

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



77.4087, 0.2442, 0.3559



77.4087, 0.2124, 0.2716



77.4087, 0.3830, 0.3003



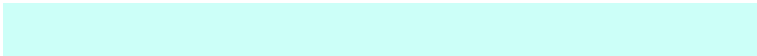
77.4087, 0.4242, 0.3716

Sweetspot

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



77.4117, 0.2442, 0.3559



91.1437, 0.2862, 0.3361



73.8148, 0.3132, 0.5335



19.2839, 0.2828, 0.3372



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.



77.4117, 0.2442, 0.3559



77.9800, 0.2389, 0.3621



47.9582, 0.2180, 0.2549



19.5661, 0.2998, 0.3322



38.9228, 0.2366, 0.3717



3.6157, 0.2350, 0.3660

Inverse Universe

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



28.8042, 0.4988, 0.3093



24.7200, 0.5560, 0.3108



41.7769, 0.4805, 0.3853



17.2632, 0.3273, 0.3258



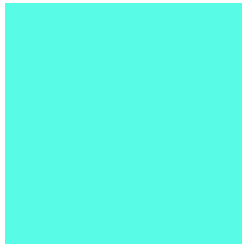
10.8522, 0.6228, 0.3204



1.0165, 0.5958, 0.3056

Previews

White Background



This preview shows how the Yxy color 77.4087, 0.2442, 0.3559 looks on a white background.

Color Contrast Check

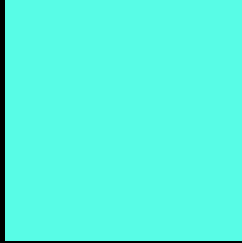
Large Text (above 18pt) WCAG AA × Fail

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 77.4087, 0.2442, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

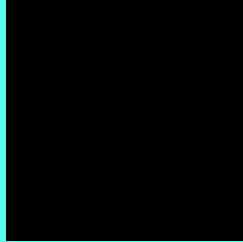
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

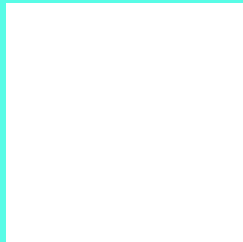
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.4087, 0.2442, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 77.4087, 0.2442, 0.3559.

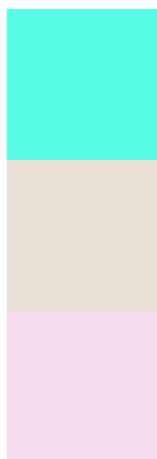


This preview shows how white text looks on a background with the Yxy color 77.4087, 0.2442, 0.3559.

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

77.4087, 0.2442, 0.3559

Protanopia

76.0804, 0.3250, 0.3396

Deuteranopia

75.8321, 0.3178, 0.3107



Tritanopia

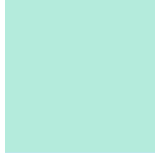
77.0992, 0.2559, 0.3130

Trichromacy



Original Color

77.4087, 0.2442, 0.3559



Protanomaly

74.2873, 0.2864, 0.3463



Deuteranomaly

73.6571, 0.2825, 0.3255



Tritanomaly

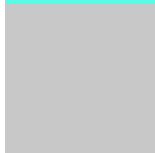
76.7839, 0.2503, 0.3276

Monochromacy



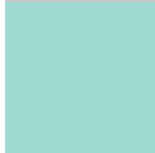
Original Color

77.4087, 0.2442, 0.3559



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

62.7371, 0.2775, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.4087, 0.2442, 0.3559 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(88, 252, 230)` looks like.

```
.text, #text, p{  
    color:rgb(88, 252, 230)  
}
```

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(88, 252, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 252, 230) }
```

Border

The CSS property to change the border of an element to Yxy 77.4087, 0.2442, 0.3559 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(88, 252, 230) }
```

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

```
.border{ border-color:rgb(88, 252, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 252, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 252, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 252, 230);  
box-shadow:4px 4px 4px 4px rgb(88, 252,  
230) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 77.4087, 0.2442, 0.3559$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 252, 230) }
```

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

```
.background{ background-color: rgb(88, 252,  
230) }
```

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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