

Converting Colors

$Yxy(77.0692, 0.2582, 0.3413)$

Have a look what the booklet for
Yxy(77.0692, 0.2582, 0.3413)
contains.

Yxy(77.3130, 0.2583, 0.3418)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(77.3130, 0.2583, 0.3418)

Conversions

Conversions Part 1

Format	Color
Hex	8AF6EB
RGB	138, 246, 235
RGB Percent	54%, 96%, 92%
CMY	0.4591, 0.0352, 0.0784
CMYK	0.44, 0.00, 0.04, 0.04
HSL	174°, 86%, 75%
HSV	174°, 44%, 96%
XYZ	58.4258, 77.3130, 90.4549
YIQ	212.4540, -60.8370, -26.3170

Conversions

Conversions Part 2

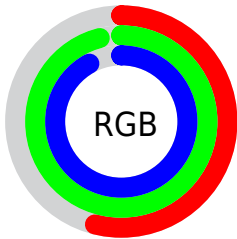
Format	Color
R _Y B	138, 195, 246
Decimal	9107179
CIE Lab	90.47, -33.77, -4.45
CIE LCh	90, 34.061, 187.510
Yxy	77.3130, 0.2583, 0.3418
Android (android.graphics.Color)	4287297259 (0xFF8AF6EB)
YUV	212.4540, 11.1152, -65.2962
Hunter-Lab	87.9278, -35.2649, 0.5555

Details

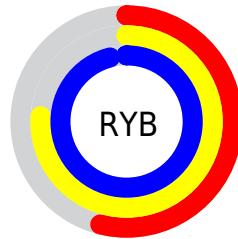
The Yxy color **77.3130, 0.2583, 0.3418** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **39.9204, 0.4175, 0.3174**, and the grayscale version is **66.1031, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **41.3121, 0.2465, 0.3445** is the 20% darker color. If you saturate the color by 10%, you get **75.3076, 0.2496, 0.3452**, and if you desaturate by 10%, it is **79.8016, 0.2687, 0.3385**.

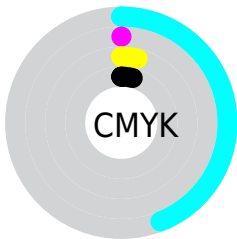
Distribution



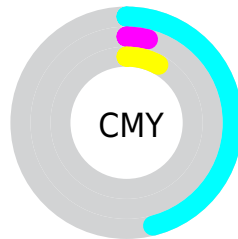
- Red (54%)
- Green (96%)
- Blue (92%)



- Red (54%)
- Yellow (76%)
- Blue (96%)



- Cyan (44%)
- Magenta (0%)
- Yellow (4%)
- Black (4%)





- Cyan (46%)
- Magenta (4%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.3130, 0.2583, 0.3418 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 77.3130, 0.2583, 0.3418 by changing the saturation by 10% instead.


 77.3130, 0.2583,
0.3418


 77.3130, 0.2583,
0.3418


485.8305, 0.2829,
0.3363

 57.5098, 0.2528,
0.3430


 129.5812, 0.2667,
0.3400

 41.4147, 0.2461,
0.3443


 162.8150, 0.2700,
0.3392

 28.6433, 0.2378,
0.3460

201.2945, 0.2729,
0.3386

 18.8111, 0.2271,
0.3481

245.4040, 0.2754,
0.3380

 11.5339, 0.2129,
0.3506

295.5280, 0.2776,
0.3375

 6.4271, 0.1932,
0.3538

352.0508, 0.2796,

 3.1065, 0.1645,

0.3371

415.3569, 0.2813,
0.3367

0.3575

1.1876, 0.0872,
0.3742

0.0515, 0.0000,
0.1230

77.3130, 0.2583,
0.3418

77.3130, 0.2583,
0.3418

75.3076, 0.2496,
0.3452

79.8016, 0.2687,
0.3385

73.7438, 0.2428,
0.3487


82.7938, 0.2805,
0.3355

72.5880, 0.2379,
0.3522

86.3196, 0.2934,
0.3326

71.7978, 0.2349,
0.3558


90.4043, 0.3071,
0.3300


 71.3214, 0.2338,
0.3593

 93.9273, 0.3176,
0.3276

 71.1392, 0.2337,
0.3614

 94.0833, 0.3161,
0.3252

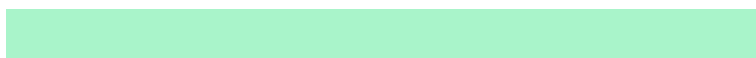
 94.2414, 0.3146,
0.3228

 94.3991, 0.3131,
0.3204

Harmonies

Analogous

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



77.3130, 0.2908, 0.3786



77.3130, 0.2583, 0.3418



77.3130, 0.2406, 0.3036

Triad

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



77.3130, 0.2583, 0.3418



77.3130, 0.2910, 0.2682



77.3130, 0.3896, 0.3769

Complementary

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



77.3130, 0.2583, 0.3418



39.9204, 0.4175, 0.3174

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.



77.3130, 0.3907, 0.3462



77.3130, 0.2583, 0.3418



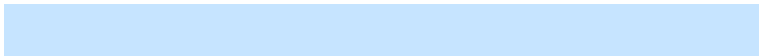
77.3130, 0.3316, 0.2859

Square

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



77.3130, 0.2583, 0.3418



77.3130, 0.2585, 0.2642



77.3130, 0.3690, 0.3137



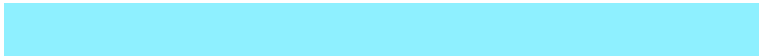
77.3130, 0.3671, 0.3977

Rectangle

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



77.3130, 0.2583, 0.3418



77.3130, 0.2386, 0.2836



77.3130, 0.3690, 0.3137



77.3130, 0.3926, 0.3674

Sweetspot

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



77.3160, 0.2583, 0.3418



94.0307, 0.2946, 0.3324



74.2878, 0.3134, 0.4637



19.9318, 0.2916, 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.



77.3160, 0.2583, 0.3418



81.8685, 0.2503, 0.3449



55.5151, 0.2446, 0.2780



18.7271, 0.2994, 0.3314



37.9791, 0.2336, 0.3608



3.3462, 0.2323, 0.3564

Inverse Universe

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



39.9204, 0.4175, 0.3174



36.3668, 0.4530, 0.3155



53.8143, 0.4085, 0.3739



16.5099, 0.3278, 0.3266



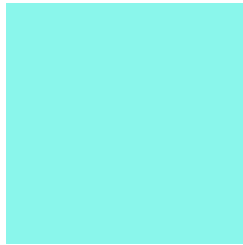
10.5047, 0.6283, 0.3235



0.9322, 0.6045, 0.3104

Previews

White Background



This preview shows how the Yxy color 77.3130, 0.2583, 0.3418 looks on a white background.

Color Contrast Check

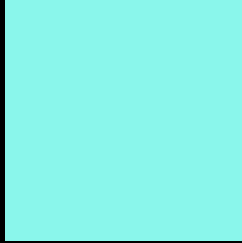
Large Text (above 18pt) WCAG AA × Fail

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 77.3130, 0.2583, 0.3418 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 77.3130, 0.2583, 0.3418

Background



This preview shows how black text looks on a background with the Yxy color 77.3130, 0.2583, 0.3418.

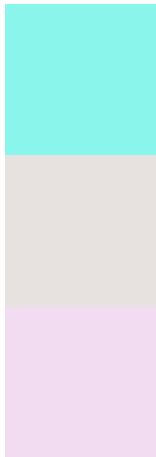


This preview shows how white text looks on a background with the Yxy color 77.3130, 0.2583, 0.3418.

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

77.3130, 0.2583, 0.3418

Protanopia

76.1671, 0.3182, 0.3311

Deuteranopia

76.4145, 0.3144, 0.3077



Tritanopia

77.0600, 0.2609, 0.3110

Trichromacy



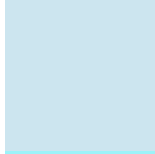
Original Color

77.3130, 0.2583, 0.3418



Protanomaly

75.6942, 0.2928, 0.3356



Deuteranomaly

75.1080, 0.2901, 0.3180



Tritanomaly

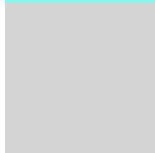
77.3495, 0.2598, 0.3220

Monochromacy



Original Color

77.3130, 0.2583, 0.3418



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.7929, 0.2889, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.3130, 0.2583, 0.3418 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(138, 246, 235)` looks like.

```
.text, #text, p{  
    color:rgb(138, 246, 235)  
}
```

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(138, 246, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 246, 235) }
```

Border

The CSS property to change the border of an element to Yxy 77.3130, 0.2583, 0.3418 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(138, 246, 235) }
```

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

```
.border{ border-color:rgb(138, 246, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 246, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 246, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 246, 235);  
box-shadow:4px 4px 4px 4px rgb(138, 246,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 77.3130, 0.2583, 0.3418 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 246, 235) }
```

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

```
.background{ background-color: rgb(138,  
246, 235) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor