

Converting Colors

$Y_{xy}(75.7086, 0.2556, 0.3377)$

Have a look what the booklet for
Yxy(75.7086, 0.2556, 0.3377)
contains.

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Color

Yxy(75.8258, 0.2558, 0.3383)

Conversions

Conversions Part 1

Format	Color
Hex	86F4EC
RGB	134, 244, 236
RGB Percent	53%, 96%, 93%
CMY	0.4741, 0.0432, 0.0745
CMYK	0.45, 0.00, 0.03, 0.04
HSL	176°, 83%, 74%
HSV	176°, 45%, 96%
XYZ	57.3344, 75.8258, 90.9775
YIQ	210.1980, -62.9920, -25.8080

Conversions

Conversions Part 2

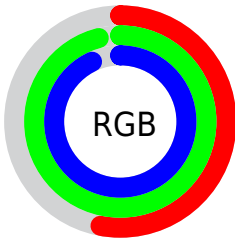
Format	Color
RYB	134, 191, 244
Decimal	8844524
CIELab	89.78, -33.47, -6.00
CIELCh	90, 34.005, 190.159
Yxy	75.8258, 0.2558, 0.3383
Android (android.graphics.Color)	4287034604 (0xFF86F4EC)
YUV	210.1980, 12.7204, -66.8256
Hunter-Lab	87.0780, -34.8575, -0.9905

Details

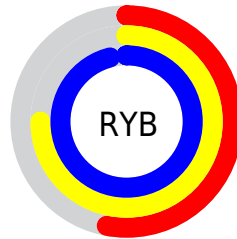
The Yxy color **75.8258, 0.2558, 0.3383** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **38.2637, 0.4251, 0.3207**, and the grayscale version is **64.5479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **40.2918, 0.2432, 0.3398** is the 20% darker color. If you saturate the color by 10%, you get **73.9456, 0.2471, 0.3407**, and if you desaturate by 10%, it is **78.1755, 0.2662, 0.3360**.

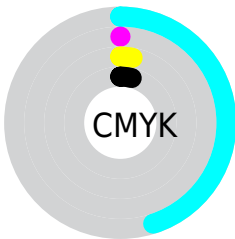
Distribution



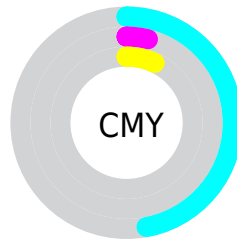
- Red (53%)
- Green (96%)
- Blue (93%)



- Red (53%)
- Yellow (75%)
- Blue (96%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (4%)





- Cyan (47%)
- Magenta (4%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8258, 0.2558, 0.3383 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 75.8258, 0.2558, 0.3383 by changing the saturation by 10% instead.


 75.8258, 0.2558,
0.3383

 75.8258, 0.2558,
0.3383


480.7512, 0.2816,
0.3345

 56.2897, 0.2501,
0.3391


 127.4806, 0.2646,
0.3371

 40.4352, 0.2431,
0.3399


 160.3681, 0.2681,
0.3366

 27.8780, 0.2343,
0.3410

198.4749, 0.2711,
0.3361

 18.2337, 0.2231,
0.3421

242.1853, 0.2737,
0.3357

 11.1179, 0.2082,
0.3434

291.8837, 0.2760,
0.3354

 6.1462, 0.1876,
0.3448

347.9546, 0.2781,

 2.9342, 0.1576,

0.3350

410.7823, 0.2799,
0.3347

0.3455

1.0975, 0.0693,
0.3591

0.0000, 0.0000,
0.0000

75.8258, 0.2558,
0.3383

75.8258, 0.2558,
0.3383

73.9456, 0.2471,
0.3407

78.1755, 0.2662,
0.3360

72.4938, 0.2402,
0.3432

81.0149, 0.2782,
0.3338

71.4370, 0.2354,
0.3456

84.3739, 0.2913,
0.3318

70.7327, 0.2324,
0.3481

88.2772, 0.3054,
0.3299

70.3291, 0.2312,
0.3505

92.5404, 0.3193,
0.3282

70.2017, 0.2310,
0.3517

92.6490, 0.3183,
0.3265

92.7587, 0.3172,
0.3248

92.8695, 0.3161,
0.3231

92.9813, 0.3150,
0.3214

Harmonies

Analogous

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



75.8258, 0.2874, 0.3761



75.8258, 0.2558, 0.3383



75.8258, 0.2395, 0.3005

Triad

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



75.8258, 0.2558, 0.3383



75.8258, 0.2943, 0.2690



75.8258, 0.3888, 0.3795

Complementary

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



75.8258, 0.2558, 0.3383



38.2637, 0.4251, 0.3207

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.



75.8258, 0.3919, 0.3492



75.8258, 0.2558, 0.3383



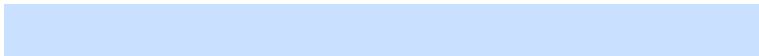
75.8258, 0.3353, 0.2879

Square

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



75.8258, 0.2558, 0.3383



75.8258, 0.2606, 0.2636



75.8258, 0.3720, 0.3164



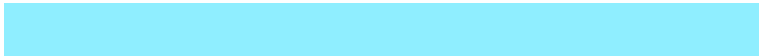
75.8258, 0.3645, 0.3990

Rectangle

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



75.8258, 0.2558, 0.3383



75.8258, 0.2386, 0.2812



75.8258, 0.3720, 0.3164



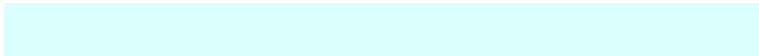
75.8258, 0.3925, 0.3701

Sweetspot

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



75.8288, 0.2558, 0.3383



93.6808, 0.2927, 0.3316



72.2821, 0.3112, 0.4684



19.8661, 0.2898, 0.3320



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.



75.8288, 0.2558, 0.3383



81.9153, 0.2478, 0.3405



52.0877, 0.2421, 0.2717



18.7358, 0.2990, 0.3307



38.1840, 0.2309, 0.3513



3.3621, 0.2301, 0.3483

Inverse Universe

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



38.2637, 0.4251, 0.3207



35.5927, 0.4621, 0.3195



53.5518, 0.4097, 0.3789



16.5020, 0.3282, 0.3273



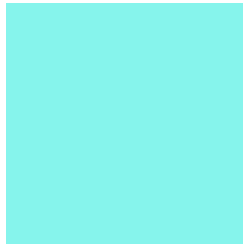
10.4883, 0.6324, 0.3257



0.9285, 0.6142, 0.3157

Previews

White Background



This preview shows how the Yxy color 75.8258, 0.2558, 0.3383 looks on a white background.

Color Contrast Check

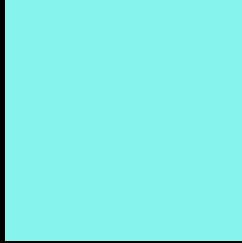
Large Text (above 18pt) WCAG AA × Fail

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 75.8258, 0.2558, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

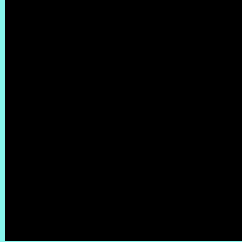
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 75.8258, 0.2558, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 75.8258, 0.2558, 0.3383.

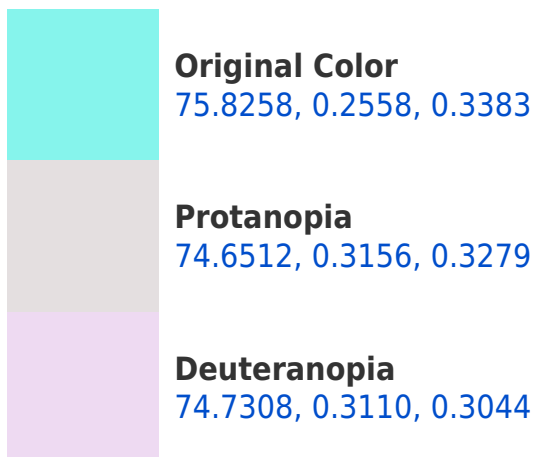


This preview shows how white text looks on a background with the Yxy color 75.8258, 0.2558, 0.3383.

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





Tritanopia

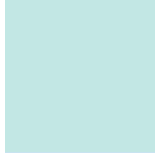
75.5372, 0.2563, 0.3096

Trichromacy



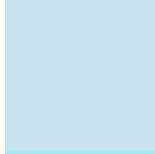
Original Color

75.8258, 0.2558, 0.3383



Protanomaly

74.2226, 0.2902, 0.3323



Deuteranomaly

73.5088, 0.2869, 0.3147



Tritanomaly

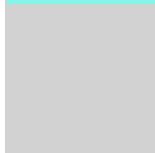
75.4870, 0.2562, 0.3196

Monochromacy



Original Color

75.8258, 0.2558, 0.3383



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

67.3021, 0.2875, 0.3325

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8258, 0.2558, 0.3383 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, 244, 236)` looks like.

```
.text, #text, p{  
    color:rgb(134, 244, 236)  
}
```

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, 244, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 244, 236) }
```

Border

The CSS property to change the border of an element to Yxy 75.8258, 0.2558, 0.3383 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, 244, 236) }
```

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

```
.border{ border-color:rgb(134, 244, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 244, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 244, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 244, 236);  
box-shadow:4px 4px 4px 4px rgb(134, 244,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8258, 0.2558, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 244, 236) }
```

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

```
.background{ background-color: rgb(134,  
244, 236) }
```

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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