

Converting Colors

$Y_{xy}(77.8586, 0.2379, 0.3617)$

Have a look what the booklet for
Yxy(77.8586, 0.2379, 0.3617)
contains.

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Color

Yxy(77.8810, 0.2378, 0.3612)

Conversions

Conversions Part 1

Format	Color
Hex	33FFE5
RGB	51, 255, 229
RGB Percent	20%, 100%, 90%
CMY	0.7994, 0.0000, 0.1019
CMYK	0.80, 0.00, 0.10, 0.00
HSL	172°, 100%, 60%
HSV	172°, 80%, 100%
XYZ	51.2738, 77.8810, 86.4626
YIQ	191.0400, -113.2380, -51.3340

Conversions

Conversions Part 2

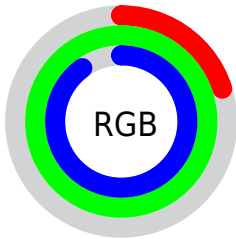
Format	Color
RYB	51, 160, 255
Decimal	3407845
CIELab	90.73, -53.00, -1.20
CIELCh	91, 53.011, 181.292
Yxy	77.8810, 0.2378, 0.3612
Android (android.graphics.Color)	4281597925 (0xFF33FFE5)
YUV	191.0400, 18.7143, -122.8151
Hunter-Lab	88.2502, -50.7285, 3.6862

Details

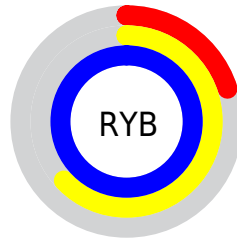
The Yxy color **77.8810, 0.2378, 0.3612** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.1784, 0.5659, 0.3125**, and the grayscale version is **52.0904, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.7265, 0.2493, 0.3288**, and **42.9885, 0.2350, 0.3659** is the 20% darker color. If you saturate the color by 10%, you get **77.2113, 0.2362, 0.3657**, and if you desaturate by 10%, it is **78.9229, 0.2413, 0.3567**.

Distribution



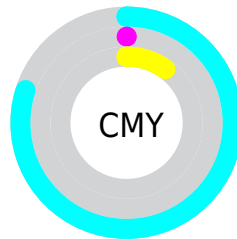
- Red (20%)
- Green (100%)
- Blue (90%)



- Red (20%)
- Yellow (63%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8810, 0.2378, 0.3612 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 77.8810, 0.2378, 0.3612 by changing the saturation by 10% instead.


 77.8810, 0.2378,
0.3612

 77.8810, 0.2378,
0.3612


487.7626, 0.2716,
0.3468


 57.9762, 0.2303,
0.3644


 130.3824, 0.2493,
0.3563

 41.7895, 0.2212,
0.3682


 163.7477, 0.2539,
0.3544

 28.9365, 0.2099,
0.3729


 202.3688, 0.2578,
0.3527

 19.0328, 0.1955,
0.3789

 246.6298, 0.2613,
0.3512

 11.6940, 0.1766,
0.3867

296.9154, 0.2643,
0.3499

 6.5357, 0.1510,
0.3971


353.6097, 0.2670,


 3.1735, 0.1151,


0.3488


0.4113


417.0974, 0.2694,
0.3477


 1.2229, 0.0000,
0.4596


 0.0803, 0.0000,
0.3196

 77.8810, 0.2378,
0.3612


 77.8810, 0.2378,
0.3612


 77.2113, 0.2362,
0.3657


 78.9229, 0.2413,
0.3567

 76.8207, 0.2362,
0.3701

 80.3800, 0.2468,
0.3522

 76.8187, 0.2362,
0.3702

 82.2987, 0.2542,
0.3478

 84.7172, 0.2634,
0.3435

87.6695, 0.2741,
0.3395

91.1866, 0.2861,
0.3357

95.2973, 0.2991,
0.3322

99.9987, 0.3127,
0.3290

Harmonies

Analogous

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



77.8810, 0.2893, 0.4190



77.8810, 0.2378, 0.3612



77.8810, 0.2078, 0.2984

Triad

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



77.8810, 0.2378, 0.3612



77.8810, 0.2670, 0.2359



77.8810, 0.4344, 0.3889

Complementary

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



77.8810, 0.2378, 0.3612



24.1784, 0.5659, 0.3125

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.



77.8810, 0.4301, 0.3414



77.8810, 0.2378, 0.3612



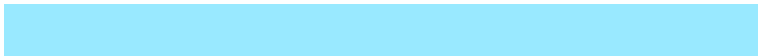
77.8810, 0.3274, 0.2581

Square

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



77.8810, 0.2378, 0.3612



77.8810, 0.2236, 0.2334



77.8810, 0.3893, 0.2953



77.8810, 0.4037, 0.4281

Rectangle

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



77.8810, 0.2378, 0.3612



77.8810, 0.2020, 0.2660



77.8810, 0.3893, 0.2953



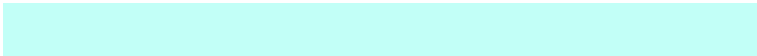
77.8810, 0.4373, 0.3734

Sweetspot

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



77.8840, 0.2378, 0.3612



89.6904, 0.2811, 0.3372



73.3928, 0.3085, 0.5727



18.9330, 0.2769, 0.3386



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.



77.8840, 0.2378, 0.3612



76.9561, 0.2361, 0.3684



40.6729, 0.2022, 0.2297



20.4392, 0.2997, 0.3320



40.1558, 0.2360, 0.3694



3.9205, 0.2345, 0.3643

Inverse Universe

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



24.1784, 0.5659, 0.3125



21.6444, 0.6185, 0.3206



36.3949, 0.5285, 0.3903



18.0248, 0.3274, 0.3260



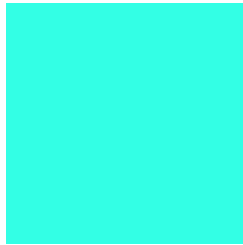
11.1764, 0.6242, 0.3212



1.0994, 0.5994, 0.3076

Previews

White Background



This preview shows how the Yxy color 77.8810, 0.2378, 0.3612 looks on a white background.

Color Contrast Check

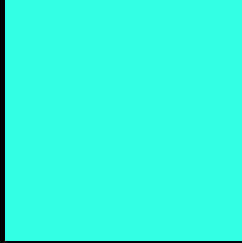
Large Text (above 18pt) WCAG AA × Fail

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 77.8810, 0.2378, 0.3612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

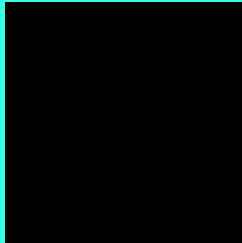
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.8810, 0.2378, 0.3612

Background



This preview shows how black text looks on a background with the Yxy color 77.8810, 0.2378, 0.3612.

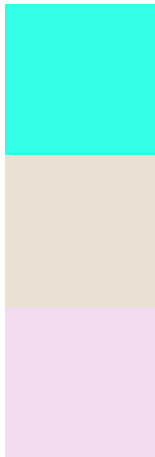


This preview shows how white text looks on a background with the Yxy color 77.8810, 0.2378, 0.3612.

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

77.8810, 0.2378, 0.3612

Protanopia

76.0963, 0.3277, 0.3428

Deuteranopia

76.3555, 0.3178, 0.3117



Tritanopia

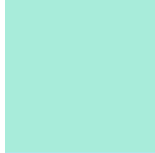
76.9029, 0.2550, 0.3130

Trichromacy



Original Color

77.8810, 0.2378, 0.3612



Protanomaly

73.3777, 0.2806, 0.3501



Deuteranomaly

73.1026, 0.2745, 0.3277



Tritanomaly

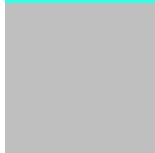
76.2784, 0.2448, 0.3288

Monochromacy



Original Color

77.8810, 0.2378, 0.3612



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.0764, 0.2691, 0.3406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8810, 0.2378, 0.3612 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(51, 255, 229)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 229)  
}
```

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(51, 255, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 229) }
```

Border

The CSS property to change the border of an element to Yxy 77.8810, 0.2378, 0.3612 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(51, 255, 229) }
```

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

```
.border{ border-color:rgb(51, 255, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 229);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8810, 0.2378, 0.3612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 229) }
```

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

```
.background{ background-color: rgb(51, 255,  
229) }
```

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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