

Converting Colors

$Y_{xy}(100.0000, 0.2543, 0.4177)$

Have a look what the booklet for
Yxy(100.0000, 0.2543, 0.4177)
contains.

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Color

Yxy(77.2033, 0.2457, 0.3837)

Conversions

Conversions Part 1

Format	Color
Hex	3BFFD4
RGB	59, 255, 212
RGB Percent	23%, 100%, 83%
CMY	0.7693, 0.0000, 0.1687
CMYK	0.77, 0.00, 0.17, 0.00
HSL	167°, 100%, 62%
HSV	167°, 77%, 100%
XYZ	49.4367, 77.2033, 74.5675
YIQ	191.4940, -103.0130, -54.9250

Conversions

Conversions Part 2

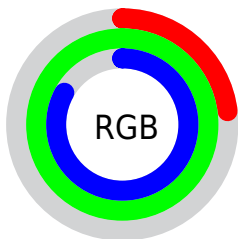
Format	Color
RYB	59, 169, 255
Decimal	3932116
CIELab	90.42, -56.58, 7.18
CIELCh	90, 57.034, 172.763
Yxy	77.2033, 0.2457, 0.3837
Android (android.graphics.Color)	4282122196 (0xFF3BFFD4)
YUV	191.4940, 10.1095, -116.1972
Hunter-Lab	87.8654, -53.3331, 11.1890

Details

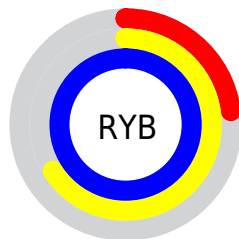
The Yxy color **77.2033, 0.2457, 0.3837** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **25.3261, 0.5282, 0.2960**, and the grayscale version is **52.3528, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.3237, 0.2443, 0.3919**, and if you desaturate by 10%, it is **78.4593, 0.2491, 0.3755**.

Distribution



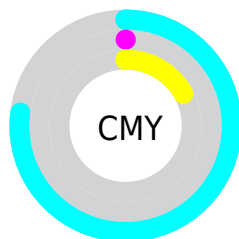
- Red (23%)
- Green (100%)
- Blue (83%)



- Red (23%)
- Yellow (66%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (77%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2033, 0.2457, 0.3837 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 77.2033, 0.2457, 0.3837 by changing the saturation by 10% instead.


 77.2033, 0.2457,
0.3837

 77.2033, 0.2457,
0.3837

485.4569, 0.2765,
0.3580


 57.4197, 0.2387,
0.3897

 129.4264, 0.2563,
0.3747


 41.3423, 0.2302,
0.3970


 162.6348, 0.2605,
0.3712

 28.5867, 0.2195,
0.4065

 201.0869, 0.2641,
0.3682

 18.7684, 0.2056,
0.4189

 245.1671, 0.2672,
0.3657

 11.5030, 0.1872,
0.4359

295.2598, 0.2699,
0.3634

 6.4063, 0.1615,
0.4605


351.7494, 0.2724,


 3.0936, 0.1237,


0.3614


0.4990


415.0203, 0.2745,
0.3596


 1.1808, 0.0000,
0.6106

 0.0460, 0.0000,
1.0000


 77.2033, 0.2457,
0.3837

 77.2033, 0.2457,
0.3837


 76.3237, 0.2443,
0.3919


 78.4593, 0.2491,
0.3755


 75.7778, 0.2448,
0.4000


 80.1602, 0.2545,
0.3675


 75.6471, 0.2451,
0.4024


 82.3412, 0.2617,
0.3597

 85.0392, 0.2706,
0.3522

 88.2874, 0.2808,
0.3452

 92.1159, 0.2921,
0.3387

 96.5531, 0.3041,
0.3328

 100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



77.2033, 0.3052, 0.4390



77.2033, 0.2457, 0.3837



77.2033, 0.2067, 0.3134

Triad

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



77.2033, 0.2457, 0.3837



77.2033, 0.2480, 0.2266



77.2033, 0.4466, 0.3780

Complementary

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



77.2033, 0.2457, 0.3837



25.3261, 0.5282, 0.2960

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.



77.2033, 0.4305, 0.3271



77.2033, 0.2457, 0.3837



77.2033, 0.3086, 0.2446

Square

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



77.2033, 0.2457, 0.3837



77.2033, 0.2086, 0.2301



77.2033, 0.3775, 0.2802



77.2033, 0.4227, 0.4244

Rectangle

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



77.2033, 0.2457, 0.3837



77.2033, 0.1955, 0.2742



77.2033, 0.3775, 0.2802



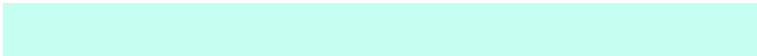
77.2033, 0.4460, 0.3610

Sweetspot

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



77.1968, 0.2457, 0.3837



89.7218, 0.2851, 0.3426



74.8129, 0.3171, 0.5606



18.9213, 0.2811, 0.3450



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.



77.1968, 0.2457, 0.3837



76.0111, 0.2443, 0.3960



50.7083, 0.2119, 0.2613



20.4092, 0.3009, 0.3343



39.5505, 0.2447, 0.4011



3.8670, 0.2422, 0.3918

Inverse Universe

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



25.3261, 0.5282, 0.2960



22.2405, 0.5840, 0.3044



32.9728, 0.5383, 0.3719



18.0523, 0.3260, 0.3238



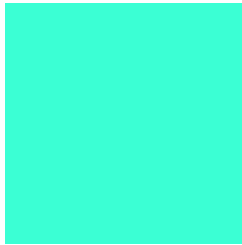
11.2756, 0.6027, 0.3094



1.1133, 0.5721, 0.2925

Previews

White Background



This preview shows how the Yxy color 77.2033, 0.2457, 0.3837 looks on a white background.

Color Contrast Check

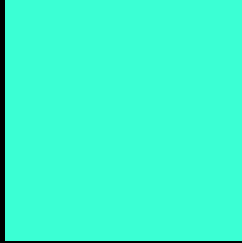
Large Text (above 18pt) WCAG AA × Fail

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 77.2033, 0.2457, 0.3837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

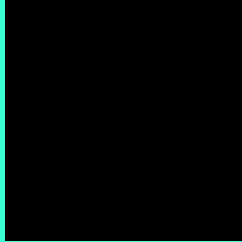
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 77.2033, 0.2457, 0.3837

Background



This preview shows how black text looks on a background with the Yxy color 77.2033, 0.2457, 0.3837.

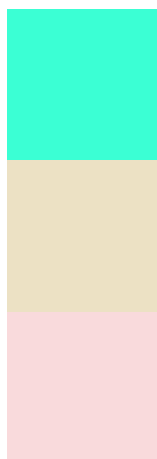


This preview shows how white text looks on a background with the Yxy color 77.2033, 0.2457, 0.3837.

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

77.2033, 0.2457, 0.3837

Protanopia

75.6688, 0.3400, 0.3600

Deuteranopia

75.4499, 0.3340, 0.3270



Tritanopia

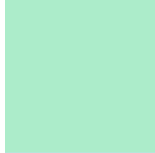
76.6146, 0.2536, 0.3129

Trichromacy



Original Color

77.2033, 0.2457, 0.3837



Protanomaly

73.0258, 0.2918, 0.3695



Deuteranomaly

71.8649, 0.2879, 0.3453



Tritanomaly

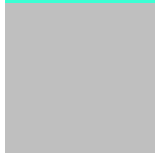
75.9254, 0.2481, 0.3372

Monochromacy



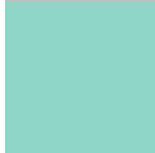
Original Color

77.2033, 0.2457, 0.3837



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

58.0563, 0.2743, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2033, 0.2457, 0.3837 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(59, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(59, 255, 212)  
}
```

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(59, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 77.2033, 0.2457, 0.3837 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(59, 255, 212) }
```

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

```
.border{ border-color:rgb(59, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(59, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2033, 0.2457, 0.3837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 255, 212) }
```

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

```
.background{ background-color: rgb(59, 255,  
212) }
```

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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