

Converting Colors

$Y_{xy}(77.2512, 0.2423, 0.3766)$

Have a look what the booklet for
Yxy(77.2512, 0.2423, 0.3766)
contains.

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Color

Yxy(77.2336, 0.2424, 0.3771)

Conversions

Conversions Part 1

Format	Color
Hex	33FFD9
RGB	51, 255, 217
RGB Percent	20%, 100%, 85%
CMY	0.8002, 0.0000, 0.1491
CMYK	0.80, 0.00, 0.15, 0.00
HSL	169°, 100%, 60%
HSV	169°, 80%, 100%
XYZ	49.6458, 77.2336, 77.9300
YIQ	189.6720, -109.3860, -55.0660

Conversions

Conversions Part 2

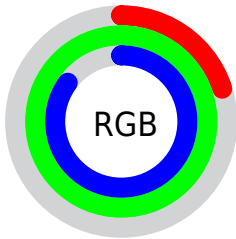
Format	Color
RYB	51, 163, 255
Decimal	3407833
CIELab	90.43, -56.07, 4.60
CIELCh	90, 56.262, 175.312
Yxy	77.2336, 0.2424, 0.3771
Android (android.graphics.Color)	4281597913 (0xFF33FFD9)
YUV	189.6720, 13.4727, -121.6153
Hunter-Lab	87.8826, -52.9582, 8.9424

Details

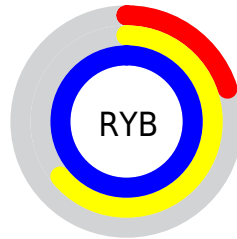
The Yxy color **77.2336, 0.2424, 0.3771** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.3425, 0.5502, 0.3029**, and the grayscale version is **51.2499, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.5411, 0.2407, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **76.4980, 0.2413, 0.3839**, and if you desaturate by 10%, it is **78.3345, 0.2454, 0.3703**.

Distribution



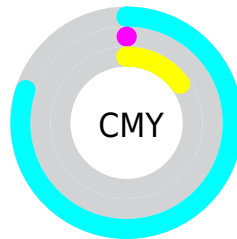
- Red (20%)
- Green (100%)
- Blue (85%)



- Red (20%)
- Yellow (64%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.2336, 0.2424, 0.3771 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 77.2336, 0.2424, 0.3771 by changing the saturation by 10% instead.

 77.2336, 0.2424,
0.3771

 77.2336, 0.2424,
0.3771


485.5601, 0.2745,
0.3547

 57.4446, 0.2352,
0.3822


 129.4692, 0.2534,
0.3693


 41.3623, 0.2264,
0.3885


 162.6846, 0.2578,
0.3663

 28.6023, 0.2153,
0.3965


 201.1442, 0.2615,
0.3637

 18.7802, 0.2012,
0.4070

 245.2325, 0.2648,
0.3615

 11.5115, 0.1823,
0.4211

295.3339, 0.2676,
0.3595

 6.4120, 0.1564,
0.4413


351.8326, 0.2702,


 3.0972, 0.1190,


0.3577


0.4720


415.1133, 0.2725,
0.3561


 1.1827, 0.0000,
0.5583


 0.0475, 0.0000,
1.0000


 77.2336, 0.2424,
0.3771


 77.2336, 0.2424,
0.3771


 76.4980, 0.2413,
0.3839

 78.3345, 0.2454,
0.3703

 76.0497, 0.2418,
0.3906


 79.8591, 0.2505,
0.3635

 81.8488, 0.2574,
0.3569

 84.3417, 0.2661,
0.3505

 87.3721, 0.2762,
0.3445

 90.9709, 0.2876,
0.3389

 95.1671, 0.2998,
0.3337

99.9873, 0.3127,
0.3290

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.



77.2336, 0.3000, 0.4341



77.2336, 0.2424, 0.3771



77.2336, 0.2060, 0.3083

Triad

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



77.2336, 0.2424, 0.3771



77.2336, 0.2532, 0.2285



77.2336, 0.4443, 0.3818

Complementary

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



77.2336, 0.2424, 0.3771



24.3425, 0.5502, 0.3029

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.



77.2336, 0.4318, 0.3314



77.2336, 0.2424, 0.3771



77.2336, 0.3145, 0.2480

Square

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



77.2336, 0.2424, 0.3771



77.2336, 0.2122, 0.2301



77.2336, 0.3821, 0.2844



77.2336, 0.4178, 0.4266

Rectangle

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



77.2336, 0.2424, 0.3771



77.2336, 0.1964, 0.2708



77.2336, 0.3821, 0.2844



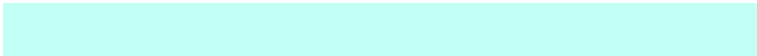
77.2336, 0.4448, 0.3651

Sweetspot

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



77.2315, 0.2424, 0.3771



89.4703, 0.2830, 0.3411



74.0209, 0.3133, 0.5693



18.8793, 0.2789, 0.3431



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.



77.2315, 0.2424, 0.3771



76.2093, 0.2415, 0.3879



46.4083, 0.2072, 0.2487



20.4200, 0.3005, 0.3335



39.7585, 0.2415, 0.3895



3.8855, 0.2394, 0.3818

Inverse Universe

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



24.3425, 0.5502, 0.3029



21.7649, 0.6050, 0.3131



33.1212, 0.5428, 0.3773



18.0423, 0.3265, 0.3246



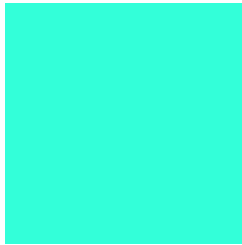
11.2339, 0.6115, 0.3142



1.1079, 0.5824, 0.2982

Previews

White Background



This preview shows how the Yxy color 77.2336, 0.2424, 0.3771 looks on a white background.

Color Contrast Check

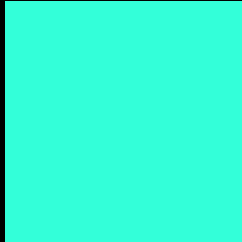
Large Text (above 18pt) WCAG AA × Fail

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 77.2336, 0.2424, 0.3771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

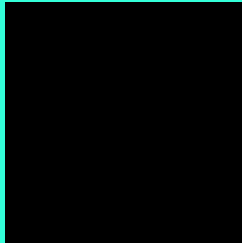
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

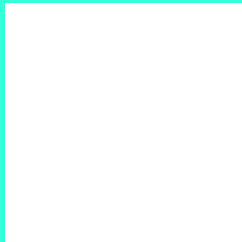
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.2336, 0.2424, 0.3771

Background



This preview shows how black text looks on a background with the Yxy color 77.2336, 0.2424, 0.3771.



This preview shows how white text looks on a background with the Yxy color 77.2336, 0.2424, 0.3771.

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

77.2336, 0.2424, 0.3771

Protanopia

75.7296, 0.3359, 0.3546

Deuteranopia

75.3532, 0.3290, 0.3219



Tritanopia

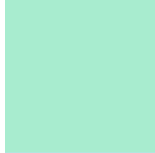
76.6146, 0.2536, 0.3129

Trichromacy



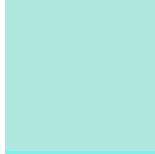
Original Color

77.2336, 0.2424, 0.3771



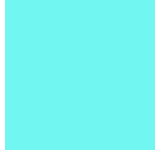
Protanomaly

72.8207, 0.2866, 0.3636



Deuteranomaly

71.6559, 0.2826, 0.3394



Tritanomaly

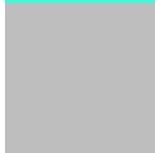
75.8398, 0.2462, 0.3348

Monochromacy



Original Color

77.2336, 0.2424, 0.3771



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.7522, 0.2713, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.2336, 0.2424, 0.3771 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 217) }
```

Border

The CSS property to change the border of an element to Yxy 77.2336, 0.2424, 0.3771 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, 217) }
```

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

```
.border{ border-color:rgb(51, 255, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 217);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 77.2336, 0.2424, 0.3771 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, 217) }
```

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

```
.background{ background-color: rgb(51, 255,  
217) }
```

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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