

Converting Colors

$Y_{xy}(77.5467, 0.2401, 0.3692)$

Have a look what the booklet for
Yxy(77.5467, 0.2401, 0.3692)
contains.

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Color

Yxy(77.5515, 0.2401, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	33FFDF
RGB	51, 255, 223
RGB Percent	20%, 100%, 87%
CMY	0.7995, 0.0000, 0.1255
CMYK	0.80, 0.00, 0.13, 0.00
HSL	171°, 100%, 60%
HSV	171°, 80%, 100%
XYZ	50.4473, 77.5515, 82.1109
YIQ	190.3560, -111.3120, -53.2000

Conversions

Conversions Part 2

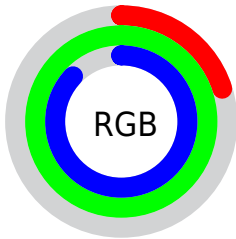
Format	Color
RYB	51, 162, 255
Decimal	3407839
CIELab	90.57, -54.55, 1.71
CIELCh	91, 54.574, 178.209
Yxy	77.5515, 0.2401, 0.3691
Android (android.graphics.Color)	4281597919 (0xFF33FFDF)
YUV	190.3560, 16.0935, -122.2152
Hunter-Lab	88.0633, -51.8566, 6.3619

Details

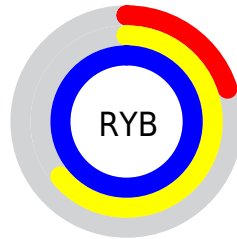
The Yxy color **77.5515, 0.2401, 0.3691** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2663, 0.5580, 0.3078**, and the grayscale version is **51.6852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.7597, 0.2378, 0.3762** is the 20% darker color. If you saturate the color by 10%, you get **76.8483, 0.2388, 0.3747**, and if you desaturate by 10%, it is **78.6282, 0.2434, 0.3634**.

Distribution



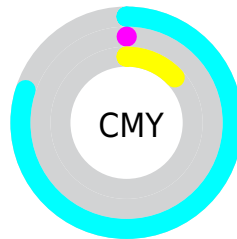
- Red (20%)
- Green (100%)
- Blue (87%)



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



- Cyan (80%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)





- Cyan (80%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.5515, 0.2401, 0.3691 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 77.5515, 0.2401, 0.3691 by changing the saturation by 10% instead.


 77.5515, 0.2401,
0.3691


 77.5515, 0.2401,
0.3691

486.6423, 0.2731,
0.3508

 57.7056, 0.2328,
0.3732


 129.9177, 0.2514,
0.3628


 41.5720, 0.2238,
0.3783


 163.2068, 0.2558,
0.3603

 28.7663, 0.2126,
0.3846


 201.7457, 0.2597,
0.3582

 18.9041, 0.1983,
0.3928

 245.9190, 0.2630,
0.3563

 11.6010, 0.1795,
0.4036

296.1108, 0.2660,
0.3547

 6.4726, 0.1537,
0.4187


352.7058, 0.2686,


 3.1345, 0.1172,


0.3532


0.4408


416.0881, 0.2709,
0.3519


 1.2024, 0.0000,
0.5072

 0.0636, 0.0000,
1.0000


 77.5515, 0.2401,
0.3691

 77.5515, 0.2401,
0.3691


 76.8483, 0.2388,
0.3747

 78.6282, 0.2434,
0.3634

 76.4260, 0.2390,
0.3803

 80.1219, 0.2486,
0.3578

 76.4240, 0.2390,
0.3804

 82.0791, 0.2558,
0.3523

 84.5377, 0.2648,
0.3470

87.5318, 0.2752,
0.3420

91.0926, 0.2869,
0.3373

95.2488, 0.2995,
0.3329

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.



77.5515, 0.2946, 0.4266



77.5515, 0.2401, 0.3691



77.5515, 0.2069, 0.3033

Triad

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



77.5515, 0.2401, 0.3691



77.5515, 0.2600, 0.2322



77.5515, 0.4394, 0.3853

Complementary

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



77.5515, 0.2401, 0.3691



24.2663, 0.5580, 0.3078

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.



77.5515, 0.4310, 0.3364



77.5515, 0.2401, 0.3691



77.5515, 0.3209, 0.2530

Square

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



77.5515, 0.2401, 0.3691



77.5515, 0.2178, 0.2318



77.5515, 0.3857, 0.2898



77.5515, 0.4108, 0.4274

Rectangle

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



77.5515, 0.2401, 0.3691



77.5515, 0.1992, 0.2684



77.5515, 0.3857, 0.2898



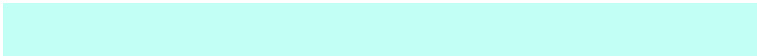
77.5515, 0.4411, 0.3692

Sweetspot

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



77.5543, 0.2401, 0.3691



89.5793, 0.2820, 0.3391



73.6968, 0.3108, 0.5710



18.9059, 0.2779, 0.3408



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.



77.5543, 0.2401, 0.3691



76.5726, 0.2388, 0.3781



43.4871, 0.2047, 0.2393



20.4296, 0.3001, 0.3328



39.9516, 0.2387, 0.3794



3.9026, 0.2370, 0.3730

Inverse Universe

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



24.2663, 0.5580, 0.3078



21.7002, 0.6121, 0.3170



34.7153, 0.5356, 0.3838



18.0336, 0.3270, 0.3253



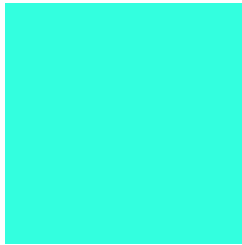
11.2027, 0.6183, 0.3180



1.1036, 0.5909, 0.3029

Previews

White Background



This preview shows how the Yxy color 77.5515, 0.2401, 0.3691 looks on a white background.

Color Contrast Check

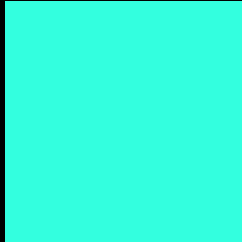
Large Text (above 18pt) WCAG AA × Fail

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 77.5515, 0.2401, 0.3691 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

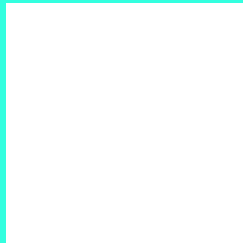
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 77.5515, 0.2401, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 77.5515, 0.2401, 0.3691.

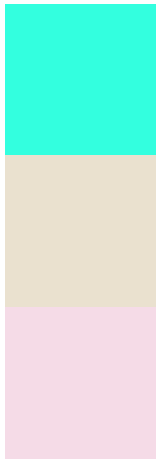


This preview shows how white text looks on a background with the Yxy color 77.5515, 0.2401, 0.3691.

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

77.5515, 0.2401, 0.3691

Protanopia

75.8478, 0.3311, 0.3482

Deuteranopia

75.8450, 0.3233, 0.3168



Tritanopia

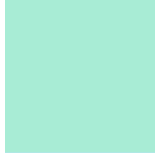
76.7099, 0.2540, 0.3130

Trichromacy



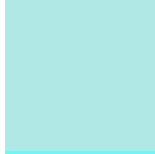
Original Color

77.5515, 0.2401, 0.3691



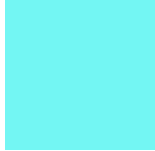
Protanomaly

73.1198, 0.2833, 0.3562



Deuteranomaly

72.4286, 0.2788, 0.3335



Tritanomaly

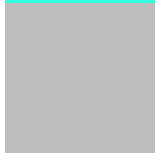
76.0274, 0.2457, 0.3324

Monochromacy



Original Color

77.5515, 0.2401, 0.3691



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.9329, 0.2708, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.5515, 0.2401, 0.3691 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, 223)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 223) }
```

Border

The CSS property to change the border of an element to Yxy 77.5515, 0.2401, 0.3691 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, 223) }
```

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

```
.border{ border-color:rgb(51, 255, 223) }
```

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, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 223);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 77.5515, 0.2401, 0.3691 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, 223) }
```

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

```
.background{ background-color: rgb(51, 255,  
223) }
```

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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