

Converting Colors

$Y_{xy}(76.0738, 0.2444, 0.3953)$

Have a look what the booklet for
Yxy(76.0738, 0.2444, 0.3953)
contains.

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Color

Yxy(76.0738, 0.2444, 0.3953)

Conversions

Conversions Part 1

Format	Color
Hex	18FFCC
RGB	24, 255, 204
RGB Percent	9%, 100%, 80%
CMY	0.9065, 0.0000, 0.2000
CMYK	0.91, 0.00, 0.20, 0.00
HSL	167°, 100%, 55%
HSV	167°, 91%, 100%
XYZ	47.0337, 76.0738, 69.3382
YIQ	180.1170, -121.3050, -64.8330

Conversions

Conversions Part 2

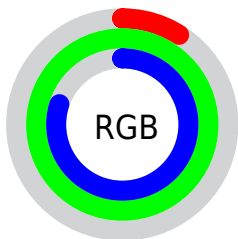
Format	Color
R _Y B	24, 154, 255
Decimal	1638348
CIE Lab	89.89, -60.96, 10.51
CIE LCh	90, 61.855, 170.220
Yxy	76.0738, 0.2444, 0.3953
Android (android.graphics.Color)	4279828428 (0xFF18FFCC)
YUV	180.1170, 11.7743, -136.9146
Hunter-Lab	87.2203, -56.3790, 13.9200

Details

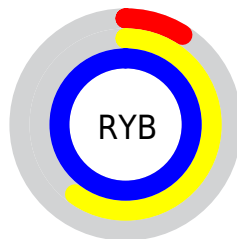
The Yxy color **76.0738, 0.2444, 0.3953** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.4129, 0.5792, 0.3031**, and the grayscale version is **45.6675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **42.1345, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **75.6320, 0.2453, 0.4029**, and if you desaturate by 10%, it is **76.8168, 0.2451, 0.3871**.

Distribution



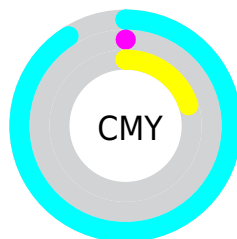
- Red (9%)
- Green (100%)
- Blue (80%)



- Red (9%)
- Yellow (60%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.0738, 0.2444, 0.3953 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 76.0738, 0.2444, 0.3953 by changing the saturation by 10% instead.


 76.0738, 0.2444,
0.3953


 76.0738, 0.2444,
0.3953

481.6003, 0.2761,
0.3637


 56.4930, 0.2372,
0.4027


 127.8312, 0.2554,
0.3842


 40.5983, 0.2283,
0.4120


 160.7767, 0.2597,
0.3799

 28.0054, 0.2170,
0.4239


 198.9458, 0.2634,
0.3762

 18.3297, 0.2025,
0.4397

 242.7230, 0.2666,
0.3730

 11.1870, 0.1829,
0.4616

292.4926, 0.2694,
0.3703

 6.1927, 0.1554,
0.4939


348.6391, 0.2719,

 2.9626, 0.1118,


0.3678


0.5472


411.5469, 0.2741,
0.3657


 1.1123, 0.0000,
0.7083


 0.0000, 0.0000,
0.0000


 76.0738, 0.2444,
0.3953


 76.0738, 0.2444,
0.3953


 75.6320, 0.2453,
0.4029

 76.8168, 0.2451,
0.3871


 77.9297, 0.2477,
0.3788

 79.4639, 0.2523,
0.3707


 81.4635, 0.2589,
0.3627

 83.9670, 0.2672,
0.3551

 87.0087, 0.2769,
0.3479

 90.6201, 0.2878,
0.3412

 94.8300, 0.2996,
0.3350

 99.6653, 0.3119,
0.3293

Harmonies

Analogous

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



76.0738, 0.3097, 0.4532



76.0738, 0.2444, 0.3953



76.0738, 0.2007, 0.3175

Triad

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



76.0738, 0.2444, 0.3953



76.0738, 0.2379, 0.2182



76.0738, 0.4585, 0.3759

Complementary

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



76.0738, 0.2444, 0.3953



22.4129, 0.5792, 0.3031

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.



76.0738, 0.4376, 0.3215



76.0738, 0.2444, 0.3953



76.0738, 0.3017, 0.2358

Square

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



76.0738, 0.2444, 0.3953



76.0738, 0.1983, 0.2237



76.0738, 0.3770, 0.2723



76.0738, 0.4350, 0.4274

Rectangle

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



76.0738, 0.2444, 0.3953



76.0738, 0.1873, 0.2735



76.0738, 0.3770, 0.2723



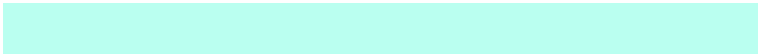
76.0738, 0.4567, 0.3576

Sweetspot

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



76.0726, 0.2444, 0.3953



88.2581, 0.2808, 0.3454



73.1960, 0.3120, 0.5848



18.6400, 0.2771, 0.3477



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.



76.0726, 0.2444, 0.3953



75.6320, 0.2453, 0.4029



45.7118, 0.2034, 0.2474



20.4088, 0.3010, 0.3343



39.5427, 0.2449, 0.4015



3.8663, 0.2423, 0.3922

Inverse Universe

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



22.4129, 0.5792, 0.3031



21.5480, 0.6061, 0.3113



27.8999, 0.5844, 0.3648



18.0527, 0.3259, 0.3238



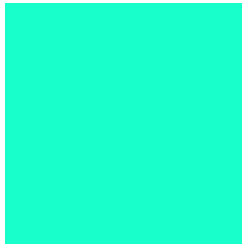
11.2773, 0.6023, 0.3092



1.1135, 0.5717, 0.2923

Previews

White Background



This preview shows how the Yxy color 76.0738, 0.2444, 0.3953 looks on a white background.

Color Contrast Check

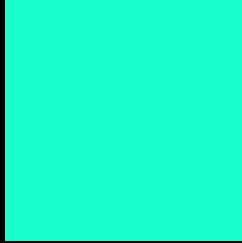
Large Text (above 18pt) WCAG AA × Fail

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 76.0738, 0.2444, 0.3953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

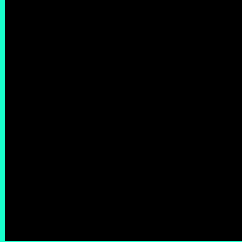
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

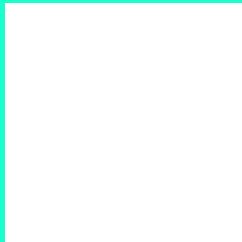
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.0738, 0.2444, 0.3953

Background



This preview shows how black text looks on a background with the Yxy color 76.0738, 0.2444, 0.3953.



This preview shows how white text looks on a background with the Yxy color 76.0738, 0.2444, 0.3953.

Color Blindness Simulation

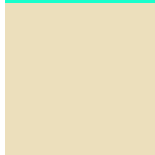
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



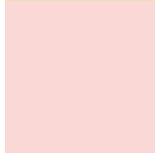
Original Color

76.0738, 0.2444, 0.3953



Protanopia

74.2391, 0.3459, 0.3666



Deuteranopia

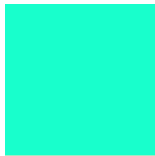
74.2398, 0.3400, 0.3322



Tritanopia

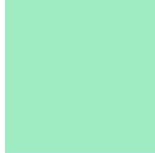
75.2029, 0.2494, 0.3116

Trichromacy



Original Color

76.0738, 0.2444, 0.3953



Protanomaly

70.6826, 0.2885, 0.3795



Deuteranomaly

69.5716, 0.2845, 0.3530



Tritanomaly

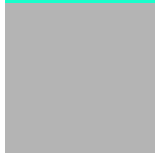
73.9576, 0.2427, 0.3398

Monochromacy



Original Color

76.0738, 0.2444, 0.3953



Achromatopsia

45.6411, 0.3127, 0.3290



Achromatomaly

52.5107, 0.2674, 0.3539

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0738, 0.2444, 0.3953 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(24, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 204)  
}
```

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(24, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 76.0738, 0.2444, 0.3953 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(24, 255, 204) }
```

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

```
.border{ border-color:rgb(24, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0738, 0.2444, 0.3953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 204) }
```

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

```
.background{ background-color: rgb(24, 255,  
204) }
```

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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