

Converting Colors

$Yxy(75.9974, 0.2453, 0.3980)$

Have a look what the booklet for
Yxy(75.9974, 0.2453, 0.3980)
contains.

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Color

Yxy(76.0039, 0.2454, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	1AFFCA
RGB	26, 255, 202
RGB Percent	10%, 100%, 79%
CMY	0.8966, 0.0000, 0.2079
CMYK	0.90, 0.00, 0.21, 0.00
HSL	166°, 100%, 55%
HSV	166°, 90%, 100%
XYZ	46.8509, 76.0039, 68.0618
YIQ	180.4870, -119.4710, -65.0310

Conversions

Conversions Part 2

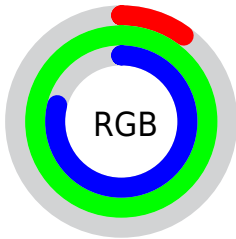
Format	Color
R _Y B	26, 155, 255
Decimal	1769418
CIE Lab	89.86, -61.33, 11.51
CIE LCh	90, 62.400, 169.368
Yxy	76.0039, 0.2454, 0.3981
Android (android.graphics.Color)	4279959498 (0xFF1AFFCA)
YUV	180.4870, 10.6059, -135.4851
Hunter-Lab	87.1802, -56.6389, 14.7383

Details

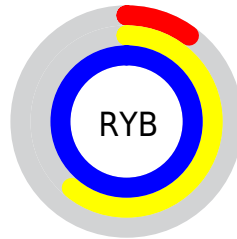
The Yxy color **76.0039, 0.2454, 0.3981** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.5856, 0.5724, 0.3004**, and the grayscale version is **45.9687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8049, 0.2450, 0.3288**, and **42.0706, 0.2477, 0.4117** is the 20% darker color. If you saturate the color by 10%, you get **75.5131, 0.2463, 0.4067**, and if you desaturate by 10%, it is **76.7945, 0.2461, 0.3894**.

Distribution



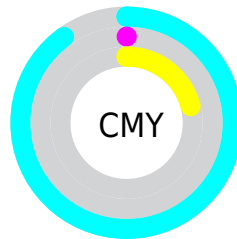
- Red (10%)
- Green (100%)
- Blue (79%)



- Red (10%)
- Yellow (61%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.0039, 0.2454, 0.3981 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 76.0039, 0.2454, 0.3981 by changing the saturation by 10% instead.


 76.0039, 0.2454,
0.3981


 76.0039, 0.2454,
0.3981


481.3610, 0.2767,
0.3651


 56.4357, 0.2382,
0.4059

 127.7324, 0.2563,
0.3864


 40.5524, 0.2294,
0.4156


 160.6615, 0.2605,
0.3820

 27.9695, 0.2182,
0.4282


 198.8131, 0.2642,
0.3781

 18.3027, 0.2037,
0.4448

 242.5714, 0.2673,
0.3748

 11.1675, 0.1842,
0.4680

292.3210, 0.2701,
0.3719

 6.1796, 0.1567,
0.5023


348.4462, 0.2726,

 2.9546, 0.1122,


0.3694


0.5595


411.3314, 0.2748,
0.3671

 1.1081, 0.0000,
0.7428


 0.0000, 0.0000,
0.0000


 76.0039, 0.2454,
0.3981

 76.0039, 0.2454,
0.3981


 75.5131, 0.2463,
0.4067

 76.7945, 0.2461,
0.3894

 75.4983, 0.2464,
0.4070


 77.9576, 0.2489,
0.3807


 79.5477, 0.2536,
0.3721

 81.6082, 0.2603,
0.3637

 84.1772, 0.2686,
0.3557

 87.2888, 0.2784,
0.3481

 90.9740, 0.2892,
0.3411

 95.2615, 0.3009,
0.3347

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



76.0039, 0.3116, 0.4554



76.0039, 0.2454, 0.3981



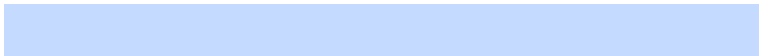
76.0039, 0.2006, 0.3194

Triad

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



76.0039, 0.2454, 0.3981



76.0039, 0.2358, 0.2172



76.0039, 0.4598, 0.3745

Complementary

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



76.0039, 0.2454, 0.3981



22.5856, 0.5724, 0.3004

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.



76.0039, 0.4375, 0.3198



76.0039, 0.2454, 0.3981



76.0039, 0.2995, 0.2343

Square

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



76.0039, 0.2454, 0.3981



76.0039, 0.1966, 0.2234



76.0039, 0.3754, 0.2706



76.0039, 0.4372, 0.4268

Rectangle

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



76.0039, 0.2454, 0.3981



76.0039, 0.1867, 0.2746



76.0039, 0.3754, 0.2706



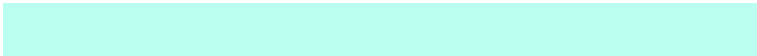
76.0039, 0.4576, 0.3561

Sweetspot

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



76.0069, 0.2454, 0.3981



88.2118, 0.2811, 0.3462



73.2887, 0.3124, 0.5835



18.6289, 0.2776, 0.3487



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.



76.0069, 0.2454, 0.3981



75.4992, 0.2464, 0.4070



46.0424, 0.2039, 0.2484



20.4051, 0.3011, 0.3346



39.4740, 0.2460, 0.4055



3.8601, 0.2433, 0.3957

Inverse Universe

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



22.5856, 0.5724, 0.3004



21.5772, 0.6029, 0.3095



28.2078, 0.5815, 0.3656



18.0561, 0.3258, 0.3235



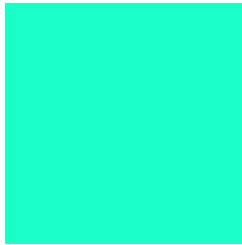
11.2933, 0.5991, 0.3074



1.1155, 0.5681, 0.2903

Previews

White Background



This preview shows how the Yxy color 76.0039, 0.2454, 0.3981 looks on a white background.

Color Contrast Check

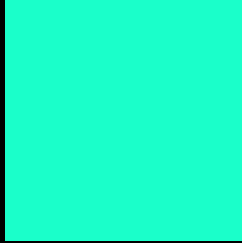
Large Text (above 18pt) WCAG AA × Fail

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 76.0039, 0.2454, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

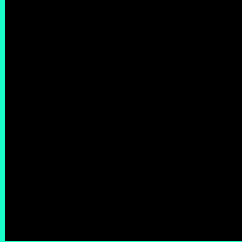
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.0039, 0.2454, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 76.0039, 0.2454, 0.3981.

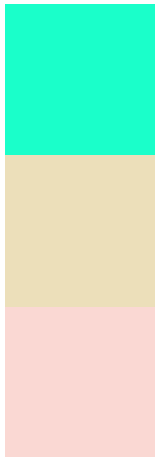


This preview shows how white text looks on a background with the Yxy color 76.0039, 0.2454, 0.3981.

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

76.0039, 0.2454, 0.3981

Protanopia

74.1534, 0.3473, 0.3688

Deuteranopia

74.1389, 0.3414, 0.3342



Tritanopia

75.2029, 0.2494, 0.3116

Trichromacy



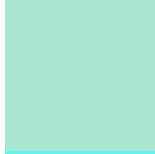
Original Color

76.0039, 0.2454, 0.3981



Protanomaly

70.6960, 0.2902, 0.3819



Deuteranomaly

69.5827, 0.2863, 0.3554



Tritanomaly

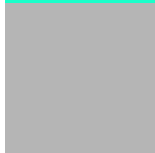
74.0136, 0.2431, 0.3398

Monochromacy



Original Color

76.0039, 0.2454, 0.3981



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.1458, 0.2687, 0.3552

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.0039, 0.2454, 0.3981 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(26, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(26, 255, 202)  
}
```

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(26, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 255, 202) }
```

Border

The CSS property to change the border of an element to Yxy 76.0039, 0.2454, 0.3981 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(26, 255, 202) }
```

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

```
.border{ border-color:rgb(26, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(26, 255,  
202) }
```


Background

The CSS property to change the background color of an element to Yxy 76.0039, 0.2454, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 255, 202) }
```

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

```
.background{ background-color: rgb(26, 255,  
202) }
```

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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