

Converting Colors

$Y_{xy}(76.7765, 0.2419, 0.3747)$

Have a look what the booklet for
Yxy(76.7765, 0.2419, 0.3747)
contains.

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Color

Yxy(76.6756, 0.2419, 0.3746)

Conversions

Conversions Part 1

Format	Color
Hex	34FEDA
RGB	52, 254, 218
RGB Percent	20%, 100%, 85%
CMY	0.7956, 0.0039, 0.1452
CMYK	0.79, 0.00, 0.14, 0.00
HSL	169°, 99%, 60%
HSV	169°, 79%, 100%
XYZ	49.5137, 76.6756, 78.4973
YIQ	189.4980, -108.8360, -54.0200

Conversions

Conversions Part 2

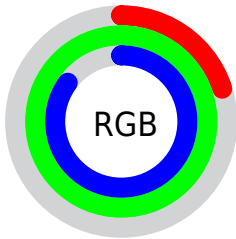
Format	Color
RYB	52, 163, 254
Decimal	3473114
CIELab	90.17, -55.32, 3.72
CIElCh	90, 55.449, 176.151
Yxy	76.6756, 0.2419, 0.3746
Android (android.graphics.Color)	4281663194 (0xFF34FEDA)
YUV	189.4980, 14.0515, -120.5857
Hunter-Lab	87.5646, -52.3047, 8.1447

Details

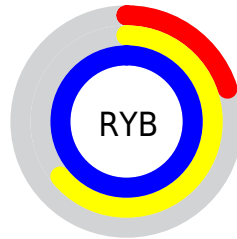
The Yxy color **76.6756, 0.2419, 0.3746** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **24.2455, 0.5501, 0.3040**, and the grayscale version is **51.1744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **42.1242, 0.2398, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **75.9404, 0.2406, 0.3811**, and if you desaturate by 10%, it is **77.7855, 0.2451, 0.3681**.

Distribution



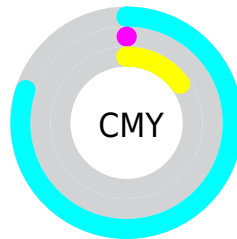
- Red (20%)
- Green (100%)
- Blue (85%)



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



- Cyan (79%)
- Magenta (0%)
- Yellow (14%)
- Black (0%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.6756, 0.2419, 0.3746 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 76.6756, 0.2419, 0.3746 by changing the saturation by 10% instead.


 76.6756, 0.2419,
0.3746

 76.6756, 0.2419,
0.3746


483.6573, 0.2742,
0.3535

 56.9867, 0.2347,
0.3794


 128.6815, 0.2530,
0.3673


 40.9945, 0.2258,
0.3854


 161.7672, 0.2574,
0.3644

 28.3148, 0.2147,
0.3929


 200.0873, 0.2611,
0.3620

 18.5631, 0.2004,
0.4027

 244.0261, 0.2644,
0.3598

 11.3550, 0.1815,
0.4159

293.9682, 0.2673,
0.3579

 6.3062, 0.1555,
0.4346


350.2978, 0.2699,


 3.0321, 0.1179,


0.3563


0.4630

413.3993, 0.2722,
0.3548


 1.1485, 0.0000,
0.5432

 0.0191, 0.0000,
1.0000


 76.6756, 0.2419,
0.3746

 76.6756, 0.2419,
0.3746


 75.9404, 0.2406,
0.3811


 77.7855, 0.2451,
0.3681

 75.4920, 0.2410,
0.3875

 79.3120, 0.2503,
0.3616


 75.4717, 0.2411,
0.3879

 81.3011, 0.2574,
0.3553

 83.7901, 0.2662,
0.3493

 86.8127, 0.2765,
0.3435

 90.3997, 0.2880,
0.3382

 94.5792, 0.3004,
0.3333

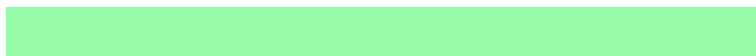
99.3159, 0.3132,
0.3288

99.3648, 0.3128,
0.3281

Harmonies

Analogous

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



76.6756, 0.2984, 0.4316



76.6756, 0.2419, 0.3746



76.6756, 0.2065, 0.3069

Triad

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



76.6756, 0.2419, 0.3746



76.6756, 0.2553, 0.2298



76.6756, 0.4425, 0.3828

Complementary

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



76.6756, 0.2419, 0.3746



24.2455, 0.5501, 0.3040

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.



76.6756, 0.4313, 0.3329



76.6756, 0.2419, 0.3746



76.6756, 0.3164, 0.2497

Square

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



76.6756, 0.2419, 0.3746



76.6756, 0.2141, 0.2308



76.6756, 0.3830, 0.2861



76.6756, 0.4155, 0.4267

Rectangle

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



76.6756, 0.2419, 0.3746



76.6756, 0.1975, 0.2702



76.6756, 0.3830, 0.2861



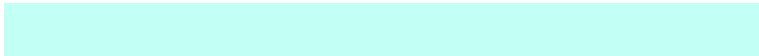
76.6756, 0.4434, 0.3663

Sweetspot

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



76.6786, 0.2419, 0.3746



89.4992, 0.2827, 0.3406



73.2645, 0.3122, 0.5690



18.8863, 0.2787, 0.3425



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.



76.6786, 0.2419, 0.3746



76.3451, 0.2407, 0.3847



44.7483, 0.2063, 0.2447



20.4225, 0.3004, 0.3333



39.8090, 0.2408, 0.3868



3.8900, 0.2387, 0.3794

Inverse Universe

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



24.2455, 0.5501, 0.3040



21.8269, 0.6043, 0.3134



33.8231, 0.5374, 0.3807



18.0400, 0.3266, 0.3248



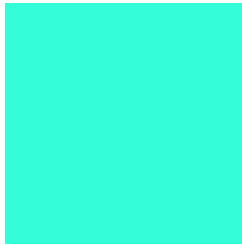
11.2251, 0.6134, 0.3153



1.1067, 0.5847, 0.2995

Previews

White Background



This preview shows how the Yxy color 76.6756, 0.2419, 0.3746 looks on a white background.

Color Contrast Check

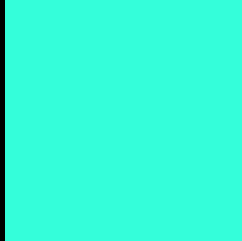
Large Text (above 18pt) WCAG AA × Fail

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 76.6756, 0.2419, 0.3746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

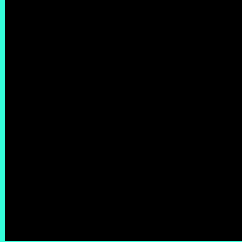
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6756, 0.2419, 0.3746

Background



This preview shows how black text looks on a background with the Yxy color 76.6756, 0.2419, 0.3746.

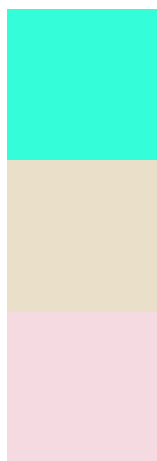


This preview shows how white text looks on a background with the Yxy color 76.6756, 0.2419, 0.3746.

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

76.6756, 0.2419, 0.3746

Protanopia

75.0680, 0.3346, 0.3526

Deuteranopia

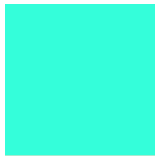
75.2266, 0.3276, 0.3209



Tritanopia

75.6512, 0.2516, 0.3117

Trichromacy



Original Color

76.6756, 0.2419, 0.3746



Protanomaly

72.2956, 0.2860, 0.3612



Deuteranomaly

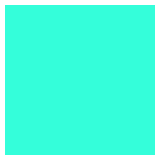
71.5935, 0.2815, 0.3382



Tritanomaly

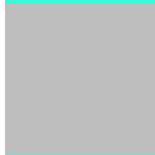
75.1604, 0.2448, 0.3324

Monochromacy



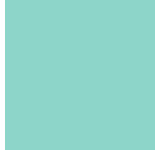
Original Color

76.6756, 0.2419, 0.3746



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

57.3341, 0.2718, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6756, 0.2419, 0.3746 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(52, 254, 218)` looks like.

```
.text, #text, p{  
    color:rgb(52, 254, 218)  
}
```

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(52, 254, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 254, 218) }
```

Border

The CSS property to change the border of an element to Yxy 76.6756, 0.2419, 0.3746 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(52, 254, 218) }
```

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

```
.border{ border-color:rgb(52, 254, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 254, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 254, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 254, 218);  
box-shadow:4px 4px 4px 4px rgb(52, 254,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6756, 0.2419, 0.3746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 254, 218) }
```

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

```
.background{ background-color: rgb(52, 254,  
218) }
```

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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