

Converting Colors

$Y_{xy}(76.1745, 0.2450, 0.3951)$

Have a look what the booklet for
Yxy(76.1745, 0.2450, 0.3951)
contains.

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Color

Yxy(76.1709, 0.2450, 0.3952)

Conversions

Conversions Part 1

Format	Color
Hex	1FFFCC
RGB	31, 255, 204
RGB Percent	12%, 100%, 80%
CMY	0.8791, 0.0000, 0.1999
CMYK	0.88, 0.00, 0.20, 0.00
HSL	166°, 100%, 56%
HSV	166°, 88%, 100%
XYZ	47.2213, 76.1709, 69.3479
YIQ	182.2100, -117.1330, -63.3490

Conversions

Conversions Part 2

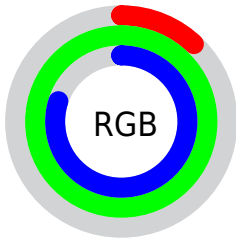
Format	Color
R_{YB}	31, 157, 255
Decimal	2097100
CIE _{Lab}	89.94, -60.62, 10.58
CIE _{LCh}	90, 61.540, 170.104
Yxy	76.1709, 0.2450, 0.3952
Android (android.graphics.Color)	4280287180 (0xFF1FFFCC)
YUV	182.2100, 10.7425, -132.6112
Hunter-Lab	87.2759, -56.1541, 13.9824

Details

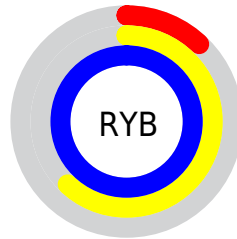
The Yxy color **76.1709, 0.2450, 0.3952** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.8383, 0.5678, 0.2999**, and the grayscale version is **46.8609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9510, 0.2457, 0.3288**, and **42.1345, 0.2467, 0.4081** is the 20% darker color. If you saturate the color by 10%, you get **75.6416, 0.2457, 0.4036**, and if you desaturate by 10%, it is **77.0145, 0.2461, 0.3867**.

Distribution



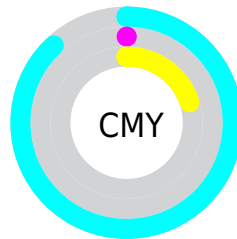
- Red (12%)
- Green (100%)
- Blue (80%)



- Red (12%)
- Yellow (62%)
- Blue (100%)



- Cyan (88%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (88%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.1709, 0.2450, 0.3952 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 76.1709, 0.2450, 0.3952 by changing the saturation by 10% instead.


 76.1709, 0.2450,
0.3952


 76.1709, 0.2450,
0.3952


481.9325, 0.2764,
0.3637


 56.5727, 0.2378,
0.4026

 127.9685, 0.2559,
0.3841


 40.6622, 0.2290,
0.4119


 160.9366, 0.2601,
0.3798

 28.0553, 0.2179,
0.4238


 199.1301, 0.2638,
0.3761

 18.3673, 0.2034,
0.4395

 242.9334, 0.2670,
0.3730

 11.2140, 0.1840,
0.4614

292.7309, 0.2698,
0.3702

 6.2110, 0.1567,
0.4936


348.9070, 0.2722,

 2.9738, 0.1136,


0.3678


0.5468


411.8461, 0.2744,
0.3656


 1.1181, 0.0000,
0.7091


 0.0000, 0.0000,
0.0000

 76.1709, 0.2450,
0.3952


 76.1709, 0.2450,
0.3952


 75.6416, 0.2457,
0.4036


 77.0145, 0.2461,
0.3867


 75.5512, 0.2459,
0.4054


 78.2447, 0.2492,
0.3782


 79.9096, 0.2544,
0.3698

 82.0516, 0.2614,
0.3616

 84.7078, 0.2700,
0.3538

 87.9119, 0.2800,
0.3465

 91.6943, 0.2911,
0.3397

 96.0834, 0.3030,
0.3335

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.



76.1709, 0.3101, 0.4526



76.1709, 0.2450, 0.3952



76.1709, 0.2013, 0.3179

Triad

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



76.1709, 0.2450, 0.3952



76.1709, 0.2381, 0.2187



76.1709, 0.4577, 0.3755

Complementary

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



76.1709, 0.2450, 0.3952



22.8383, 0.5678, 0.2999

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.



76.1709, 0.4367, 0.3214



76.1709, 0.2450, 0.3952



76.1709, 0.3015, 0.2361

Square

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



76.1709, 0.2450, 0.3952



76.1709, 0.1987, 0.2243



76.1709, 0.3764, 0.2724



76.1709, 0.4346, 0.4269

Rectangle

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



76.1709, 0.2450, 0.3952



76.1709, 0.1880, 0.2741



76.1709, 0.3764, 0.2724



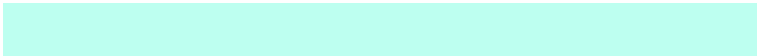
76.1709, 0.4559, 0.3574

Sweetspot

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



76.1692, 0.2450, 0.3952



88.5870, 0.2821, 0.3452



73.4637, 0.3131, 0.5811



18.7019, 0.2784, 0.3476



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.



76.1692, 0.2450, 0.3952



75.5512, 0.2459, 0.4054



46.6397, 0.2048, 0.2502



20.4066, 0.3010, 0.3345



39.5009, 0.2456, 0.4040



3.8625, 0.2429, 0.3943

Inverse Universe

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



22.8383, 0.5678, 0.2999



21.5655, 0.6042, 0.3102



28.7750, 0.5763, 0.3669



18.0547, 0.3258, 0.3236



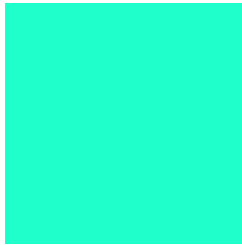
11.2869, 0.6004, 0.3081



1.1147, 0.5695, 0.2911

Previews

White Background



This preview shows how the Yxy color 76.1709, 0.2450, 0.3952 looks on a white background.

Color Contrast Check

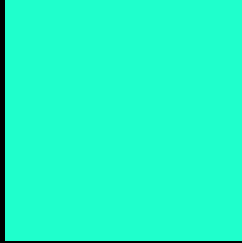
Large Text (above 18pt) WCAG AA × Fail

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 76.1709, 0.2450, 0.3952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

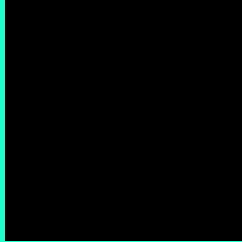
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1709, 0.2450, 0.3952

Background



This preview shows how black text looks on a background with the Yxy color 76.1709, 0.2450, 0.3952.

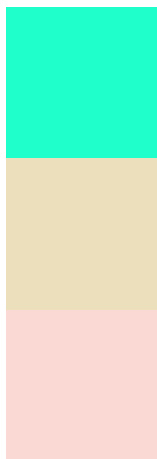


This preview shows how white text looks on a background with the Yxy color 76.1709, 0.2450, 0.3952.

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

76.1709, 0.2450, 0.3952

Protanopia

74.2391, 0.3459, 0.3666

Deuteranopia

74.1892, 0.3407, 0.3332



Tritanopia

75.2910, 0.2498, 0.3116

Trichromacy



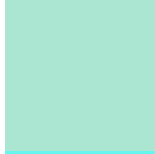
Original Color

76.1709, 0.2450, 0.3952



Protanomaly

70.8888, 0.2897, 0.3793



Deuteranomaly

69.7431, 0.2863, 0.3541



Tritanomaly

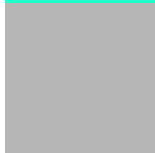
74.1857, 0.2440, 0.3398

Monochromacy



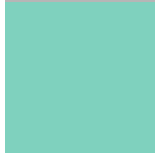
Original Color

76.1709, 0.2450, 0.3952



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.8307, 0.2694, 0.3550

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1709, 0.2450, 0.3952 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(31, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(31, 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(31, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 76.1709, 0.2450, 0.3952 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(31, 255, 204) }
```

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

```
.border{ border-color:rgb(31, 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(31, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(31, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1709, 0.2450, 0.3952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 255, 204) }
```

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

```
.background{ background-color: rgb(31, 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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