

Converting Colors

$Yxy(76.4768, 0.2443, 0.3899)$

Have a look what the booklet for
Yxy(76.4768, 0.2443, 0.3899)
contains.

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Color

Yxy(76.4861, 0.2442, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	26FFD0
RGB	38, 255, 208
RGB Percent	15%, 100%, 82%
CMY	0.8510, 0.0000, 0.1844
CMYK	0.85, 0.00, 0.18, 0.00
HSL	167°, 100%, 57%
HSV	167°, 85%, 100%
XYZ	47.9412, 76.4861, 71.8922
YIQ	184.7590, -114.2450, -60.6210

Conversions

Conversions Part 2

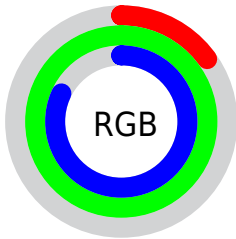
Format	Color
R_{YB}	38, 160, 255
Decimal	2555856
CIE _{Lab}	90.08, -59.25, 8.75
CIE _{LCh}	90, 59.894, 171.601
Yxy	76.4861, 0.2442, 0.3896
Android (android.graphics.Color)	4280745936 (0xFF26FFD0)
YUV	184.7590, 11.4578, -128.7076
Hunter-Lab	87.4563, -55.1996, 12.4809

Details

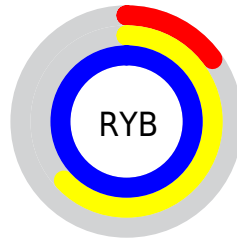
The Yxy color **76.4861, 0.2442, 0.3896** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.3027, 0.5610, 0.3000**, and the grayscale version is **48.3559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1756, 0.2467, 0.3288**, and **42.2656, 0.2447, 0.4009** is the 20% darker color. If you saturate the color by 10%, you get **75.8873, 0.2443, 0.3976**, and if you desaturate by 10%, it is **77.4229, 0.2460, 0.3815**.

Distribution



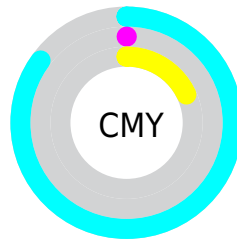
- Red (15%)
- Green (100%)
- Blue (82%)



- Red (15%)
- Yellow (63%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (85%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4861, 0.2442, 0.3896 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 76.4861, 0.2442, 0.3896 by changing the saturation by 10% instead.

 76.4861, 0.2442,
0.3896


 76.4861, 0.2442,
0.3896


483.0101, 0.2758,
0.3609


 56.8312, 0.2370,
0.3963


 128.4138, 0.2551,
0.3795


 40.8697, 0.2282,
0.4046


 161.4554, 0.2594,
0.3756

 28.2173, 0.2171,
0.4153


 199.7280, 0.2631,
0.3723

 18.4895, 0.2027,
0.4294

 243.6160, 0.2663,
0.3694

 11.3020, 0.1835,
0.4488

293.5038, 0.2691,
0.3669

 6.2704, 0.1567,
0.4772


349.7759, 0.2716,


 3.0102, 0.1158,


0.3647


412.8165, 0.2738,
0.3627

0.5228


 1.1370, 0.0000,
0.6531

 0.0094, 0.0000,
1.0000


 76.4861, 0.2442,
0.3896


 76.4861, 0.2442,
0.3896


 75.8873, 0.2443,
0.3976

 77.4229, 0.2460,
0.3815

 75.6778, 0.2449,
0.4015


 78.7598, 0.2497,
0.3735

 80.5430, 0.2555,
0.3656


 82.8132, 0.2631,
0.3579

 85.6065, 0.2722,
0.3506

 88.9554, 0.2827,
0.3438

 92.8899, 0.2942,
0.3375

 97.4376, 0.3063,
0.3317

 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.



76.4861, 0.3070, 0.4470



76.4861, 0.2442, 0.3896



76.4861, 0.2027, 0.3149

Triad

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



76.4861, 0.2442, 0.3896



76.4861, 0.2426, 0.2217



76.4861, 0.4537, 0.3775

Complementary

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



76.4861, 0.2442, 0.3896



23.3027, 0.5610, 0.3000

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.



76.4861, 0.4353, 0.3244



76.4861, 0.2442, 0.3896



76.4861, 0.3054, 0.2397

Square

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



76.4861, 0.2442, 0.3896



76.4861, 0.2028, 0.2261



76.4861, 0.3782, 0.2760



76.4861, 0.4295, 0.4269

Rectangle

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



76.4861, 0.2442, 0.3896



76.4861, 0.1905, 0.2731



76.4861, 0.3782, 0.2760



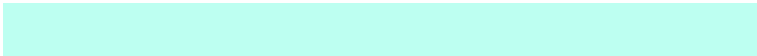
76.4861, 0.4525, 0.3597

Sweetspot

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



76.4849, 0.2442, 0.3896



88.6294, 0.2817, 0.3444



73.7658, 0.3142, 0.5767



18.7120, 0.2780, 0.3467



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.



76.4849, 0.2442, 0.3896



75.6778, 0.2449, 0.4015



47.6255, 0.2064, 0.2530



20.4101, 0.3009, 0.3342



39.5664, 0.2445, 0.4002



3.8684, 0.2420, 0.3910

Inverse Universe

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



23.3027, 0.5610, 0.3000



21.5384, 0.6072, 0.3118



29.7417, 0.5673, 0.3687



18.0515, 0.3260, 0.3239



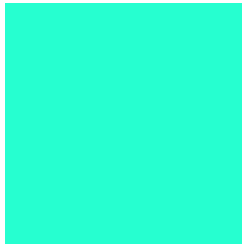
11.2720, 0.6034, 0.3098



1.1128, 0.5730, 0.2930

Previews

White Background



This preview shows how the Yxy color 76.4861, 0.2442, 0.3896 looks on a white background.

Color Contrast Check

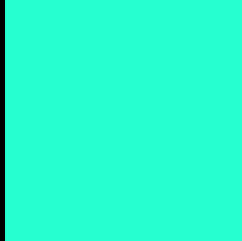
Large Text (above 18pt) WCAG AA × Fail

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 76.4861, 0.2442, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

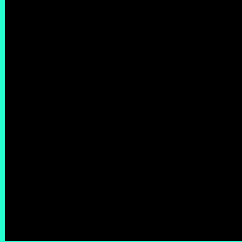
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

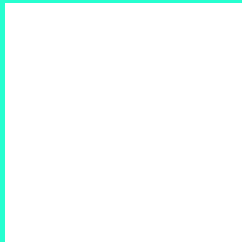
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.4861, 0.2442, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 76.4861, 0.2442, 0.3896.



This preview shows how white text looks on a background with the Yxy color 76.4861, 0.2442, 0.3896.

Color Blindness Simulation

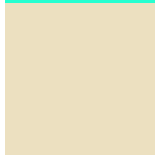
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



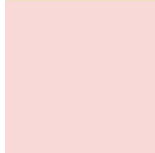
Original Color

76.4861, 0.2442, 0.3896



Protanopia

74.9499, 0.3430, 0.3633



Deuteranopia

74.7233, 0.3370, 0.3301



Tritanopia

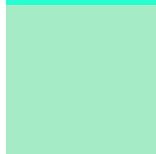
75.4695, 0.2507, 0.3117

Trichromacy



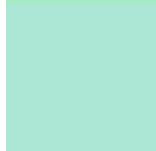
Original Color

76.4861, 0.2442, 0.3896



Protanomaly

71.3864, 0.2892, 0.3740



Deuteranomaly

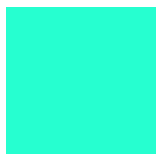
70.7266, 0.2853, 0.3503



Tritanomaly

74.4811, 0.2441, 0.3373

Monochromacy



Original Color

76.4861, 0.2442, 0.3896



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.8490, 0.2707, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4861, 0.2442, 0.3896 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(38, 255, 208)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 208)  
}
```

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(38, 255, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 208) }
```

Border

The CSS property to change the border of an element to Yxy 76.4861, 0.2442, 0.3896 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(38, 255, 208) }
```

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

```
.border{ border-color:rgb(38, 255, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 208);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4861, 0.2442, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 208) }
```

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

```
.background{ background-color: rgb(38, 255,  
208) }
```

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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