

Converting Colors

$Y_{xy}(76.4610, 0.2416, 0.3849)$

Have a look what the booklet for
Yxy(76.4610, 0.2416, 0.3849)
contains.

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Color

Yxy(76.4801, 0.2414, 0.3842)

Conversions

Conversions Part 1

Format	Color
Hex	19FFD4
RGB	25, 255, 212
RGB Percent	10%, 100%, 83%
CMY	0.9003, 0.0000, 0.1685
CMYK	0.90, 0.00, 0.17, 0.00
HSL	169°, 100%, 55%
HSV	169°, 90%, 100%
XYZ	48.0539, 76.4801, 74.5293
YIQ	181.3280, -123.2770, -62.1330

Conversions

Conversions Part 2

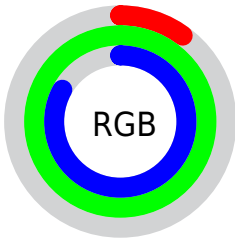
Format	Color
R _Y B	25, 152, 255
Decimal	1703892
CIE Lab	90.08, -58.93, 6.64
CIE LCh	90, 59.301, 173.571
Yxy	76.4801, 0.2414, 0.3842
Android (android.graphics.Color)	4279893972 (0xFF19FFD4)
YUV	181.3280, 15.1213, -137.0997
Hunter-Lab	87.4529, -54.9599, 10.6888

Details

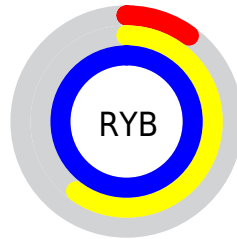
The Yxy color **76.4801, 0.2414, 0.3842** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.3949, 0.5870, 0.3082**, and the grayscale version is **46.4338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **42.3668, 0.2432, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **76.0342, 0.2419, 0.3910**, and if you desaturate by 10%, it is **77.2173, 0.2425, 0.3774**.

Distribution



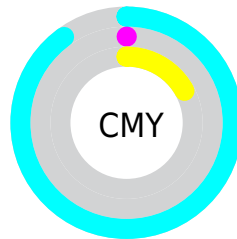
- Red (10%)
- Green (100%)
- Blue (83%)



- Red (10%)
- Yellow (60%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.4801, 0.2414, 0.3842 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 76.4801, 0.2414, 0.3842 by changing the saturation by 10% instead.


 76.4801, 0.2414,
0.3842

 76.4801, 0.2414,
0.3842


482.9896, 0.2742,
0.3583


 56.8263, 0.2340,
0.3902


 128.4053, 0.2527,
0.3751


 40.8658, 0.2250,
0.3976

 161.4455, 0.2571,
0.3716

 28.2142, 0.2136,
0.4071


 199.7166, 0.2609,
0.3686

 18.4872, 0.1989,
0.4195

 243.6030, 0.2642,
0.3660

 11.3003, 0.1794,
0.4366

293.4891, 0.2672,
0.3637

 6.2692, 0.1525,
0.4611


349.7593, 0.2698,


 3.0095, 0.1121,


0.3617


0.5000


412.7980, 0.2721,
0.3599


 1.1367, 0.0000,
0.6022


 0.0091, 0.0000,
1.0000


 76.4801, 0.2414,
0.3842


 76.4801, 0.2414,
0.3842


 76.0342, 0.2419,
0.3910

 77.2173, 0.2425,
0.3774


 78.3212, 0.2455,
0.3705

 79.8465, 0.2505,
0.3637

 81.8371, 0.2575,
0.3570

 84.3309, 0.2661,
0.3506

 87.3622, 0.2763,
0.3446

 90.9620, 0.2876,
0.3389

 95.1592, 0.2998,
0.3337

99.9804, 0.3127,
0.3290

Harmonies

Analogous

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



76.4801, 0.3027, 0.4432



76.4801, 0.2414, 0.3842



76.4801, 0.2019, 0.3106

Triad

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



76.4801, 0.2414, 0.3842



76.4801, 0.2468, 0.2231



76.4801, 0.4520, 0.3807

Complementary

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



76.4801, 0.2414, 0.3842



22.3949, 0.5870, 0.3082

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.



76.4801, 0.4366, 0.3280



76.4801, 0.2414, 0.3842



76.4801, 0.3102, 0.2423

Square

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



76.4801, 0.2414, 0.3842



76.4801, 0.2055, 0.2259



76.4801, 0.3820, 0.2794



76.4801, 0.4257, 0.4289

Rectangle

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



76.4801, 0.2414, 0.3842



76.4801, 0.1910, 0.2702



76.4801, 0.3820, 0.2794



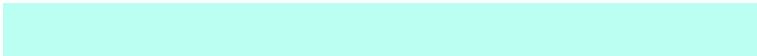
76.4801, 0.4518, 0.3631

Sweetspot

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



76.4831, 0.2414, 0.3842



88.3954, 0.2796, 0.3428



72.9409, 0.3098, 0.5859



18.6728, 0.2759, 0.3448



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.



76.4831, 0.2414, 0.3842



76.0380, 0.2419, 0.3910



42.6019, 0.2007, 0.2372



20.4197, 0.3005, 0.3335



39.7524, 0.2416, 0.3898



3.8849, 0.2395, 0.3820

Inverse Universe

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



22.3949, 0.5870, 0.3082



21.4712, 0.6147, 0.3160



29.3894, 0.5749, 0.3717



18.0426, 0.3265, 0.3246



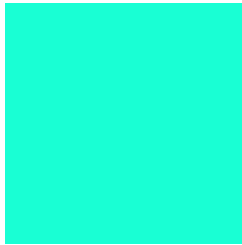
11.2350, 0.6113, 0.3141



1.1080, 0.5821, 0.2980

Previews

White Background



This preview shows how the Yxy color 76.4801, 0.2414, 0.3842 looks on a white background.

Color Contrast Check

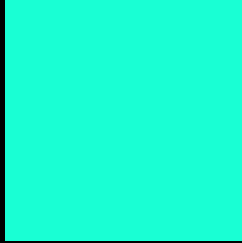
Large Text (above 18pt) WCAG AA × Fail

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 76.4801, 0.2414, 0.3842 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

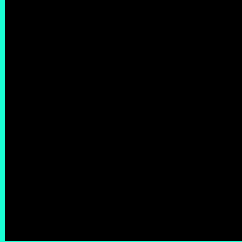
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.4801, 0.2414, 0.3842

Background



This preview shows how black text looks on a background with the Yxy color 76.4801, 0.2414, 0.3842.

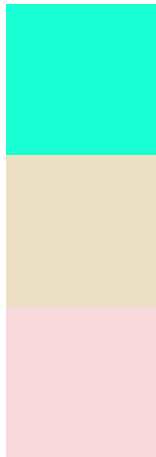


This preview shows how white text looks on a background with the Yxy color 76.4801, 0.2414, 0.3842.

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

76.4801, 0.2414, 0.3842

Protanopia

74.9590, 0.3395, 0.3590

Deuteranopia

74.7495, 0.3334, 0.3260



Tritanopia

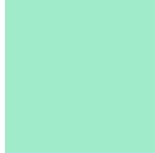
76.0599, 0.2509, 0.3128

Trichromacy



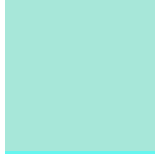
Original Color

76.4801, 0.2414, 0.3842



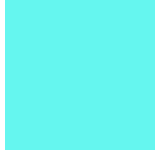
Protanomaly

71.0519, 0.2841, 0.3692



Deuteranomaly

70.3771, 0.2801, 0.3456



Tritanomaly

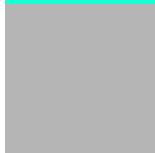
74.9102, 0.2427, 0.3373

Monochromacy



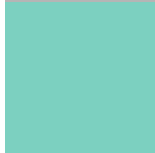
Original Color

76.4801, 0.2414, 0.3842



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

53.2026, 0.2664, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.4801, 0.2414, 0.3842 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(25, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 212)  
}
```

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(25, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 76.4801, 0.2414, 0.3842 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(25, 255, 212) }
```

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

```
.border{ border-color:rgb(25, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(25, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 76.4801, 0.2414, 0.3842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 212) }
```

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

```
.background{ background-color: rgb(25, 255,  
212) }
```

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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