

Converting Colors

$Yxy(76.5817, 0.2406, 0.3815)$

Have a look what the booklet for
Yxy(76.5817, 0.2406, 0.3815)
contains.

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Color

Yxy(76.5817, 0.2406, 0.3815)

Conversions

Conversions Part 1

Format	Color
Hex	19FFD6
RGB	25, 255, 214
RGB Percent	10%, 100%, 84%
CMY	0.9022, 0.0000, 0.1607
CMYK	0.90, 0.00, 0.16, 0.00
HSL	169°, 100%, 55%
HSV	169°, 90%, 100%
XYZ	48.2977, 76.5817, 75.8590
YIQ	181.5560, -123.9190, -61.5110

Conversions

Conversions Part 2

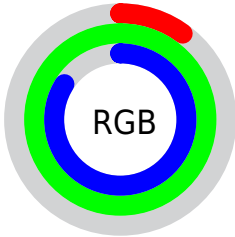
Format	Color
R_{YB}	25, 151, 255
Decimal	1703894
CIE _{Lab}	90.13, -58.46, 5.68
CIE _{LCh}	90, 58.733, 174.451
Yxy	76.5817, 0.2406, 0.3815
Android (android.graphics.Color)	4279893974 (0xFF19FFD6)
YUV	181.5560, 15.9949, -137.2996
Hunter-Lab	87.5110, -54.6293, 9.8620

Details

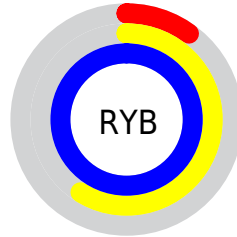
The Yxy color **76.5817, 0.2406, 0.3815** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.3454, 0.5902, 0.3098**, and the grayscale version is **46.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8776, 0.2453, 0.3288**, and **42.4357, 0.2422, 0.3919** is the 20% darker color. If you saturate the color by 10%, you get **76.1515, 0.2411, 0.3878**, and if you desaturate by 10%, it is **77.3003, 0.2417, 0.3750**.

Distribution



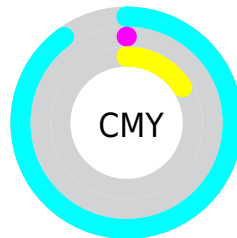
- Red (10%)
- Green (100%)
- Blue (84%)



- Red (10%)
- Yellow (59%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)





- Cyan (90%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5817, 0.2406, 0.3815 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 76.5817, 0.2406, 0.3815 by changing the saturation by 10% instead.


 76.5817, 0.2406,
0.3815


 76.5817, 0.2406,
0.3815

483.3366, 0.2736,
0.3570


 56.9096, 0.2332,
0.3872


 128.5488, 0.2520,
0.3729

 40.9327, 0.2241,
0.3942

 161.6127, 0.2564,
0.3696

 28.2665, 0.2127,
0.4030


 199.9093, 0.2603,
0.3668

 18.5266, 0.1980,
0.4147

 243.8229, 0.2636,
0.3643

 11.3287, 0.1785,
0.4305

293.7381, 0.2666,
0.3621

 6.2884, 0.1516,
0.4532


350.0392, 0.2692,


 3.0212, 0.1118,


0.3602


0.4887


413.1106, 0.2715,
0.3585

 1.1428, 0.0000,
0.5811


 0.0143, 0.0000,
1.0000

 76.5817, 0.2406,
0.3815


 76.5817, 0.2406,
0.3815

 76.1515, 0.2411,
0.3878

 77.3003, 0.2417,
0.3750


 78.3870, 0.2448,
0.3685


 79.8937, 0.2498,
0.3620

 81.8642, 0.2568,
0.3557

 84.3366, 0.2655,
0.3497

 87.3452, 0.2757,
0.3439

 90.9211, 0.2871,
0.3386

 95.0931, 0.2995,
0.3336

99.8880, 0.3124,
0.3291

Harmonies

Analogous

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



76.5817, 0.3009, 0.4408



76.5817, 0.2406, 0.3815



76.5817, 0.2022, 0.3089

Triad

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



76.5817, 0.2406, 0.3815



76.5817, 0.2490, 0.2242



76.5817, 0.4504, 0.3819

Complementary

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



76.5817, 0.2406, 0.3815



22.3454, 0.5902, 0.3098

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.



76.5817, 0.4364, 0.3296



76.5817, 0.2406, 0.3815



76.5817, 0.3123, 0.2439

Square

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



76.5817, 0.2406, 0.3815



76.5817, 0.2073, 0.2264



76.5817, 0.3833, 0.2812



76.5817, 0.4234, 0.4293

Rectangle

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



76.5817, 0.2406, 0.3815



76.5817, 0.1919, 0.2693



76.5817, 0.3833, 0.2812



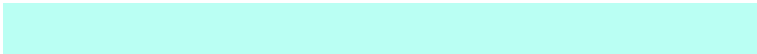
76.5817, 0.4507, 0.3645

Sweetspot

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



76.5814, 0.2406, 0.3815



88.4328, 0.2793, 0.3421



72.7875, 0.3085, 0.5870



18.6817, 0.2755, 0.3440



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.



76.5814, 0.2406, 0.3815



76.1515, 0.2411, 0.3878



40.9427, 0.1991, 0.2316



20.4226, 0.3004, 0.3333



39.8110, 0.2408, 0.3867



3.8901, 0.2387, 0.3793

Inverse Universe

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



22.3454, 0.5902, 0.3098



21.4528, 0.6168, 0.3171



30.0268, 0.5714, 0.3749



18.0399, 0.3266, 0.3248



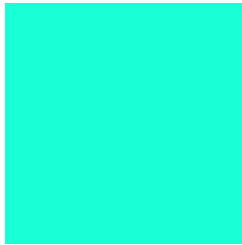
11.2247, 0.6135, 0.3153



1.1066, 0.5848, 0.2995

Previews

White Background



This preview shows how the Yxy color 76.5817, 0.2406, 0.3815 looks on a white background.

Color Contrast Check

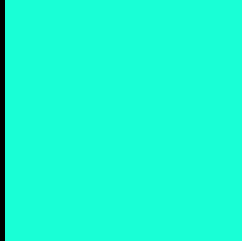
Large Text (above 18pt) WCAG AA × Fail

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 76.5817, 0.2406, 0.3815 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

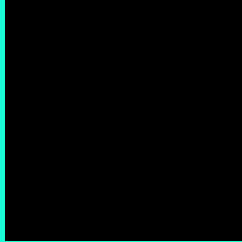
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

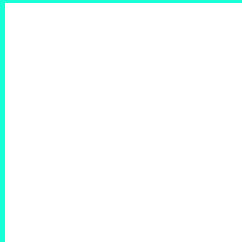
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.5817, 0.2406, 0.3815

Background



This preview shows how black text looks on a background with the Yxy color 76.5817, 0.2406, 0.3815.

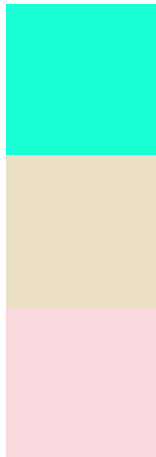


This preview shows how white text looks on a background with the Yxy color 76.5817, 0.2406, 0.3815.

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

76.5817, 0.2406, 0.3815

Protanopia

75.0507, 0.3381, 0.3568

Deuteranopia

74.6738, 0.3312, 0.3239



Tritanopia

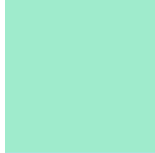
76.0599, 0.2509, 0.3128

Trichromacy



Original Color

76.5817, 0.2406, 0.3815



Protanomaly

71.1472, 0.2830, 0.3667



Deuteranomaly

70.3733, 0.2784, 0.3432



Tritanomaly

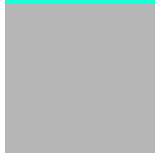
74.9695, 0.2423, 0.3361

Monochromacy



Original Color

76.5817, 0.2406, 0.3815



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

53.8559, 0.2660, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5817, 0.2406, 0.3815 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, 214)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 214)  
}
```

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, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 214) }
```

Border

The CSS property to change the border of an element to Yxy 76.5817, 0.2406, 0.3815 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, 214) }
```

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

```
.border{ border-color:rgb(25, 255, 214) }
```

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, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 214);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5817, 0.2406, 0.3815 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, 214) }
```

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

```
.background{ background-color: rgb(25, 255,  
214) }
```

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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