

Converting Colors

$Y_{xy}(81.0924, 0.2451, 0.3945)$

Have a look what the booklet for
Yxy(81.0924, 0.2451, 0.3945)
contains.

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Color

Yxy(76.5305, 0.2431, 0.3869)

Conversions

Conversions Part 1

Format	Color
Hex	23FFD2
RGB	35, 255, 210
RGB Percent	14%, 100%, 82%
CMY	0.8621, 0.0000, 0.1766
CMYK	0.86, 0.00, 0.18, 0.00
HSL	168°, 100%, 57%
HSV	168°, 86%, 100%
XYZ	48.0862, 76.5305, 73.1876
YIQ	184.0900, -116.6750, -60.6350

Conversions

Conversions Part 2

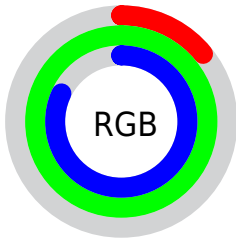
Format	Color
R_{YB}	35, 158, 255
Decimal	2359250
CIE _{Lab}	90.11, -58.94, 7.74
CIE _{LCh}	90, 59.446, 172.514
Yxy	76.5305, 0.2431, 0.3869
Android (android.graphics.Color)	4280549330 (0xFF23FFD2)
YUV	184.0900, 12.7736, -130.7519
Hunter-Lab	87.4817, -54.9766, 11.6349

Details

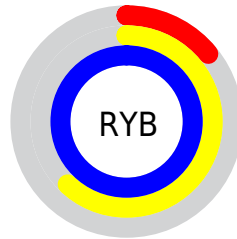
The Yxy color **76.5305, 0.2431, 0.3869** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **23.0538, 0.5686, 0.3027**, and the grayscale version is **47.9875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.1000, 0.2464, 0.3288**, and **42.3328, 0.2437, 0.3973** is the 20% darker color. If you saturate the color by 10%, you get **75.9778, 0.2433, 0.3944**, and if you desaturate by 10%, it is **77.4176, 0.2448, 0.3793**.

Distribution



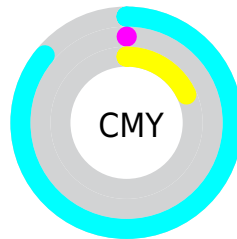
- Red (14%)
- Green (100%)
- Blue (82%)



- Red (14%)
- Yellow (62%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5305, 0.2431, 0.3869 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 76.5305, 0.2431, 0.3869 by changing the saturation by 10% instead.

 76.5305, 0.2431,
0.3869

 76.5305, 0.2431,
0.3869


483.1618, 0.2752,
0.3596

 56.8676, 0.2359,
0.3932


 128.4765, 0.2542,
0.3773

 40.8990, 0.2269,
0.4011


 161.5285, 0.2585,
0.3736

 28.2401, 0.2158,
0.4112


 199.8122, 0.2622,
0.3705

 18.5068, 0.2013,
0.4245

 243.7121, 0.2655,
0.3677

 11.3144, 0.1820,
0.4427

293.6127, 0.2683,
0.3653

 6.2787, 0.1552,
0.4692


349.8982, 0.2709,


 3.0153, 0.1148,


0.3632


412.9531, 0.2731,
0.3613


0.5114


 1.1397, 0.0000,
0.6275


 0.0116, 0.0000,
1.0000


 76.5305, 0.2431,
0.3869


 76.5305, 0.2431,
0.3869


 75.9778, 0.2433,
0.3944

 77.4176, 0.2448,
0.3793


 75.8206, 0.2437,
0.3972


 78.6955, 0.2484,
0.3717


 80.4139, 0.2540,
0.3643


 82.6139, 0.2615,
0.3571

 85.3322, 0.2706,
0.3502

 88.6015, 0.2811,
0.3437

 92.4521, 0.2926,
0.3377

 96.9120, 0.3048,
0.3322

 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.



76.5305, 0.3050, 0.4449



76.5305, 0.2431, 0.3869



76.5305, 0.2026, 0.3129

Triad

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



76.5305, 0.2431, 0.3869



76.5305, 0.2447, 0.2226



76.5305, 0.4525, 0.3789

Complementary

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



76.5305, 0.2431, 0.3869



23.0538, 0.5686, 0.3027

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.



76.5305, 0.4356, 0.3261



76.5305, 0.2431, 0.3869



76.5305, 0.3077, 0.2411

Square

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



76.5305, 0.2431, 0.3869



76.5305, 0.2043, 0.2263



76.5305, 0.3798, 0.2777



76.5305, 0.4274, 0.4276

Rectangle

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



76.5305, 0.2431, 0.3869



76.5305, 0.1910, 0.2719



76.5305, 0.3798, 0.2777



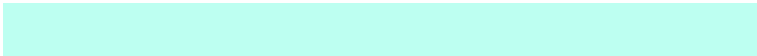
76.5305, 0.4518, 0.3612

Sweetspot

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



76.5317, 0.2431, 0.3869



88.6764, 0.2813, 0.3435



73.4720, 0.3125, 0.5795



18.7233, 0.2775, 0.3457



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.



76.5317, 0.2431, 0.3869



75.8206, 0.2437, 0.3972



45.5934, 0.2043, 0.2468



20.4139, 0.3007, 0.3339



39.6401, 0.2433, 0.3960



3.8750, 0.2410, 0.3874

Inverse Universe

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



23.0538, 0.5686, 0.3027



21.5101, 0.6103, 0.3136



30.0152, 0.5672, 0.3712



18.0479, 0.3262, 0.3242



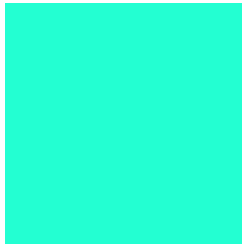
11.2565, 0.6067, 0.3116



1.1108, 0.5767, 0.2951

Previews

White Background



This preview shows how the Yxy color 76.5305, 0.2431, 0.3869 looks on a white background.

Color Contrast Check

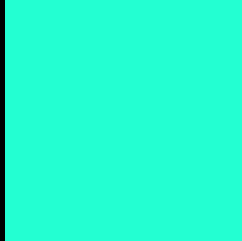
Large Text (above 18pt) WCAG AA × Fail

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 76.5305, 0.2431, 0.3869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

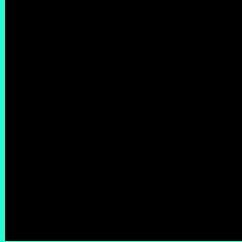
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.5305, 0.2431, 0.3869

Background



This preview shows how black text looks on a background with the Yxy color 76.5305, 0.2431, 0.3869.



This preview shows how white text looks on a background with the Yxy color 76.5305, 0.2431, 0.3869.

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

76.5305, 0.2431, 0.3869

Protanopia

75.0392, 0.3416, 0.3611

Deuteranopia

74.6441, 0.3348, 0.3280



Tritanopia

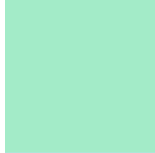
75.5599, 0.2512, 0.3117

Trichromacy



Original Color

76.5305, 0.2431, 0.3869



Protanomaly

71.3733, 0.2875, 0.3715



Deuteranomaly

70.7161, 0.2836, 0.3479



Tritanomaly

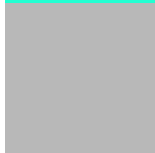
74.5401, 0.2437, 0.3361

Monochromacy



Original Color

76.5305, 0.2431, 0.3869



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

54.6893, 0.2695, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5305, 0.2431, 0.3869 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(35, 255, 210)` looks like.

```
.text, #text, p{  
    color:rgb(35, 255, 210)  
}
```

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(35, 255, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 255, 210) }
```

Border

The CSS property to change the border of an element to Yxy 76.5305, 0.2431, 0.3869 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(35, 255, 210) }
```

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

```
.border{ border-color:rgb(35, 255, 210) }
```

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

Here you see how a box with a 4 pixel rgb(35, 255, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 255, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 255, 210);  
box-shadow:4px 4px 4px 4px rgb(35, 255,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5305, 0.2431, 0.3869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 255, 210) }
```

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

```
.background{ background-color: rgb(35, 255,  
210) }
```

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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