

Converting Colors

$Y_{xy}(76.1210, 0.2635, 0.3963)$

Have a look what the booklet for
Yxy(76.1210, 0.2635, 0.3963)
contains.

Yxy(76.1357, 0.2634, 0.3961)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.1357, 0.2634, 0.3961)

Conversions

Conversions Part 1

Format	Color
Hex	6AFBC6
RGB	106, 251, 198
RGB Percent	42%, 98%, 78%
CMY	0.5845, 0.0156, 0.2236
CMYK	0.58, 0.00, 0.21, 0.02
HSL	158°, 95%, 70%
HSV	158°, 58%, 98%
XYZ	50.6290, 76.1357, 65.4486
YIQ	201.6030, -69.4070, -47.2230

Conversions

Conversions Part 2

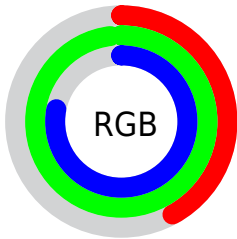
Format	Color
RYB	106, 195, 251
Decimal	7011270
CIELab	89.92, -51.25, 13.84
CIELCh	90, 53.084, 164.892
Yxy	76.1357, 0.2634, 0.3961
Android (android.graphics.Color)	4285201350 (0xFF6AFBC6)
YUV	201.6030, -1.7763, -83.8438
Hunter-Lab	87.2558, -49.1254, 16.6069

Details

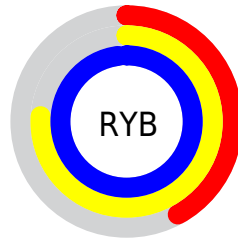
The Yxy color **76.1357, 0.2634, 0.3961** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.3119, 0.4230, 0.2753**, and the grayscale version is **58.8400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **40.8441, 0.2515, 0.4142** is the 20% darker color. If you saturate the color by 10%, you get **74.4096, 0.2594, 0.4102**, and if you desaturate by 10%, it is **78.3434, 0.2692, 0.3824**.

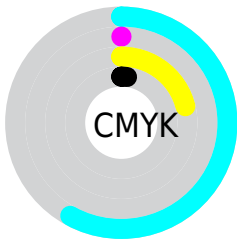
Distribution



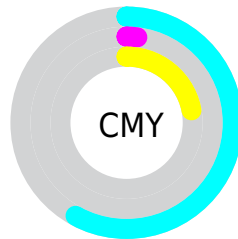
- Red (42%)
- Green (98%)
- Blue (78%)



- Red (42%)
- Yellow (76%)
- Blue (98%)



- Cyan (58%)
- Magenta (0%)
- Yellow (21%)
- Black (2%)





- Cyan (58%)
- Magenta (2%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 76.1357, 0.2634, 0.3961 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 76.1357, 0.2634, 0.3961 by changing the saturation by 10% instead.


 76.1357, 0.2634,
0.3961


 76.1357, 0.2634,
0.3961

481.8121, 0.2866,
0.3639


 56.5438, 0.2580,
0.4037


 127.9187, 0.2715,
0.3847

 40.6391, 0.2513,
0.4133


 160.8786, 0.2747,
0.3803

 28.0372, 0.2427,
0.4257


 199.0633, 0.2774,
0.3766

 18.3537, 0.2315,
0.4423

242.8571, 0.2797,
0.3734

 11.2042, 0.2160,
0.4655

292.6445, 0.2818,
0.3705

 6.2044, 0.1935,
0.5003


348.8099, 0.2836,

 2.9697, 0.1586,


0.3681


0.5572


411.7376, 0.2852,
0.3658

 1.1160, 0.0000,
0.8299


 0.0000, 0.0000,
0.0000


 76.1357, 0.2634,
0.3961


 76.1357, 0.2634,
0.3961


 74.4096, 0.2594,
0.4102


 78.3434, 0.2692,
0.3824


 73.1149, 0.2574,
0.4246


 81.0595, 0.2766,
0.3695


 72.2065, 0.2574,
0.4389

 84.3198, 0.2852,
0.3574


 71.6199, 0.2594,
0.4528

 88.1539, 0.2946,
0.3463

 71.5129, 0.2600,
0.4559

 92.5893, 0.3047,
0.3362

 97.3547, 0.3140,
0.3271

 97.4804, 0.3129,
0.3252

Harmonies

Analogous

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



76.1357, 0.3224, 0.4385



76.1357, 0.2634, 0.3961



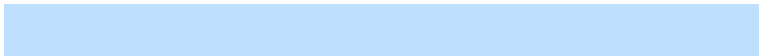
76.1357, 0.2204, 0.3315

Triad

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



76.1357, 0.2634, 0.3961



76.1357, 0.2400, 0.2311



76.1357, 0.4379, 0.3634

Complementary

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



76.1357, 0.2634, 0.3961



33.3119, 0.4230, 0.2753

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.



76.1357, 0.4126, 0.3154



76.1357, 0.2634, 0.3961



76.1357, 0.2927, 0.2431

Square

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



76.1357, 0.2634, 0.3961



76.1357, 0.2087, 0.2408



76.1357, 0.3570, 0.2730



76.1357, 0.4252, 0.4090

Rectangle

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



76.1357, 0.2634, 0.3961



76.1357, 0.2051, 0.2915



76.1357, 0.3570, 0.2730



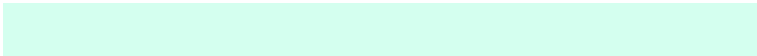
76.1357, 0.4337, 0.3472

Sweetspot

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



76.1387, 0.2634, 0.3961



91.7063, 0.2954, 0.3454



77.4255, 0.3324, 0.5005



19.4453, 0.2934, 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.



76.1387, 0.2634, 0.3961



76.9325, 0.2590, 0.4121



67.5541, 0.2356, 0.3053



19.4946, 0.3029, 0.3378



37.6159, 0.2593, 0.4536



3.5043, 0.2547, 0.4369

Inverse Universe

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



33.3119, 0.4230, 0.2753



28.8532, 0.4582, 0.2697



36.2928, 0.4782, 0.3488



17.3301, 0.3236, 0.3204



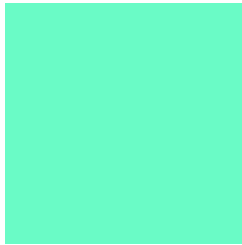
11.2097, 0.5520, 0.2815



1.0578, 0.5193, 0.2635

Previews

White Background



This preview shows how the Yxy color 76.1357, 0.2634, 0.3961 looks on a white background.

Color Contrast Check

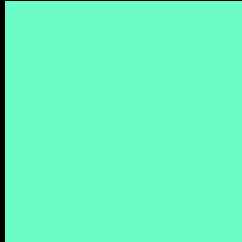
Large Text (above 18pt) WCAG AA × Fail

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 76.1357, 0.2634, 0.3961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

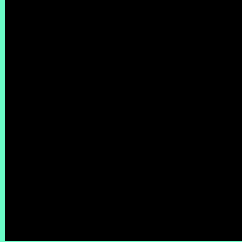
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.1357, 0.2634, 0.3961

Background



This preview shows how black text looks on a background with the Yxy color 76.1357, 0.2634, 0.3961.

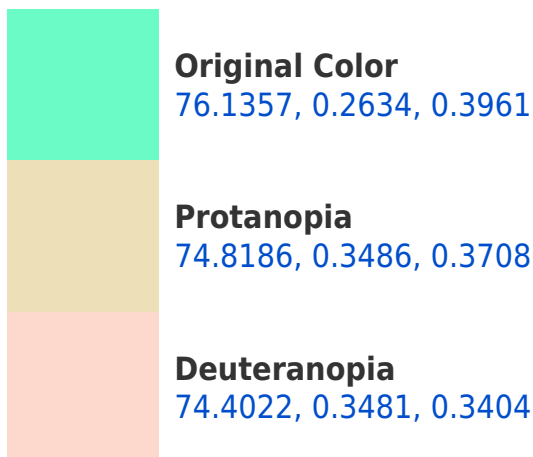


This preview shows how white text looks on a background with the Yxy color 76.1357, 0.2634, 0.3961.

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





Tritanopia

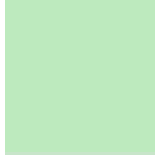
75.7253, 0.2546, 0.3107

Trichromacy



Original Color

76.1357, 0.2634, 0.3961



Protanomaly

73.3822, 0.3096, 0.3806



Deuteranomaly

72.5823, 0.3099, 0.3599



Tritanomaly

75.2759, 0.2574, 0.3395

Monochromacy



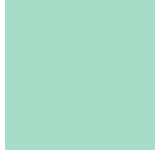
Original Color

76.1357, 0.2634, 0.3961



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.6189, 0.2885, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.1357, 0.2634, 0.3961 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(106, 251, 198)` looks like.

```
.text, #text, p{  
    color:rgb(106, 251, 198)  
}
```

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(106, 251, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 251, 198) }
```

Border

The CSS property to change the border of an element to Yxy 76.1357, 0.2634, 0.3961 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(106, 251, 198) }
```

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

```
.border{ border-color:rgb(106, 251, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 251, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(106, 251, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(106, 251, 198); box-shadow:4px 4px 4px 4px rgb(106, 251, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 76.1357, 0.2634, 0.3961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 251, 198) }
```

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

```
.background{ background-color: rgb(106,  
251, 198) }
```

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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