

Converting Colors

$Y_{xy}(76.7025, 0.2524, 0.4023)$

Have a look what the booklet for
Yxy(76.7025, 0.2524, 0.4023)
contains.

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Color

Yxy(76.7210, 0.2526, 0.4026)

Conversions

Conversions Part 1

Format	Color
Hex	41FFC6
RGB	65, 255, 198
RGB Percent	25%, 100%, 78%
CMY	0.7449, 0.0000, 0.2235
CMYK	0.74, 0.00, 0.22, 0.00
HSL	162°, 100%, 63%
HSV	162°, 74%, 100%
XYZ	48.1364, 76.7210, 65.7064
YIQ	191.6920, -94.9430, -58.0070

Conversions

Conversions Part 2

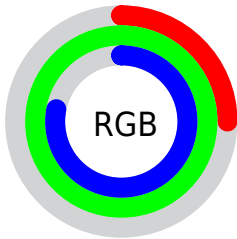
Format	Color
RYB	65, 177, 255
Decimal	4325318
CIELab	90.19, -59.18, 14.08
CIELCh	90, 60.832, 166.616
Yxy	76.7210, 0.2526, 0.4026
Android (android.graphics.Color)	4282515398 (0xFF41FFC6)
YUV	191.6920, 3.1098, -111.1089
Hunter-Lab	87.5905, -55.1866, 16.8367

Details

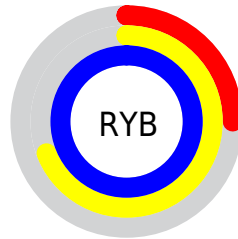
The Yxy color **76.7210, 0.2526, 0.4026** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **26.4524, 0.4954, 0.2809**, and the grayscale version is **52.5563, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.1433, 0.2512, 0.3288**, and **41.9461, 0.2497, 0.4190** is the 20% darker color. If you saturate the color by 10%, you get **75.6959, 0.2514, 0.4142**, and if you desaturate by 10%, it is **78.1614, 0.2558, 0.3911**.

Distribution



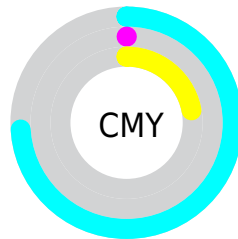
- Red (25%)
- Green (100%)
- Blue (78%)



- Red (25%)
- Yellow (69%)
- Blue (100%)



- Cyan (74%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)





- Cyan (74%)
- Magenta (0%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7210, 0.2526, 0.4026 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 76.7210, 0.2526, 0.4026 by changing the saturation by 10% instead.


 76.7210, 0.2526,
0.4026


 76.7210, 0.2526,
0.4026


483.8122, 0.2808,
0.3672


 57.0239, 0.2461,
0.4110

 128.7456, 0.2624,
0.3901


 41.0244, 0.2381,
0.4215

 161.8418, 0.2662,
0.3853

 28.3382, 0.2278,
0.4351


 200.1733, 0.2695,
0.3812

 18.5807, 0.2144,
0.4532

 244.1244, 0.2724,
0.3776

 11.3677, 0.1963,
0.4785

294.0794, 0.2749,
0.3745

 6.3147, 0.1703,
0.5162

350.4228, 0.2771,

 3.0374, 0.1295,

0.3718

0.5782

413.5389, 0.2790,
0.3694

■ 1.1513, 0.0000,
0.8250

■ 0.0214, 0.0000,
1.0000

■ 76.7210, 0.2526,
0.4026

■ 76.7210, 0.2526,
0.4026

■ 75.6959, 0.2514,
0.4142

■ 78.1614, 0.2558,
0.3911

■ 75.0209, 0.2522,
0.4256

■ 80.0566, 0.2610,
0.3798


■ 74.7546, 0.2533,
0.4318


■ 82.4497, 0.2680,
0.3689

■ 85.3767, 0.2764,
0.3587

 88.8700, 0.2860,
0.3491

 92.9597, 0.2965,
0.3403

 97.6735, 0.3076,
0.3323

 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.



76.7210, 0.3184, 0.4543



76.7210, 0.2526, 0.4026



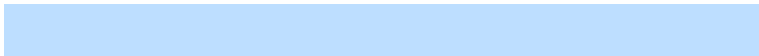
76.7210, 0.2063, 0.3267

Triad

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



76.7210, 0.2526, 0.4026



76.7210, 0.2332, 0.2194



76.7210, 0.4557, 0.3689

Complementary

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



76.7210, 0.2526, 0.4026



26.4524, 0.4954, 0.2809

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.



76.7210, 0.4297, 0.3156



76.7210, 0.2526, 0.4026



76.7210, 0.2935, 0.2342

Square

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



76.7210, 0.2526, 0.4026



76.7210, 0.1972, 0.2279



76.7210, 0.3671, 0.2682



76.7210, 0.4376, 0.4204

Rectangle

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



76.7210, 0.2526, 0.4026



76.7210, 0.1908, 0.2817



76.7210, 0.3671, 0.2682



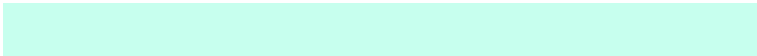
76.7210, 0.4521, 0.3509

Sweetspot

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



76.7235, 0.2526, 0.4026



89.8315, 0.2886, 0.3468



76.0424, 0.3240, 0.5506



19.0039, 0.2858, 0.3493



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.



76.7235, 0.2526, 0.4026



75.3519, 0.2516, 0.4194



57.9764, 0.2182, 0.2808



20.3832, 0.3020, 0.3362



39.0885, 0.2528, 0.4300



3.8252, 0.2492, 0.4170

Inverse Universe

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



26.4524, 0.4954, 0.2809



22.9399, 0.5476, 0.2870



31.3508, 0.5409, 0.3604



18.0768, 0.3247, 0.3219



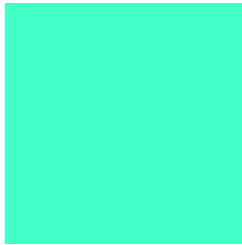
11.4080, 0.5769, 0.2952



1.1291, 0.5448, 0.2775

Previews

White Background



This preview shows how the Yxy color 76.7210, 0.2526, 0.4026 looks on a white background.

Color Contrast Check

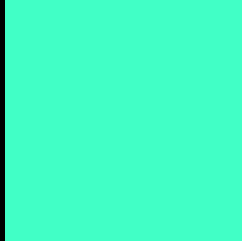
Large Text (above 18pt) WCAG AA × Fail

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 76.7210, 0.2526, 0.4026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

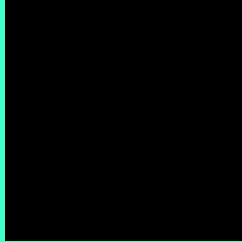
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.7210, 0.2526, 0.4026

Background



This preview shows how black text looks on a background with the Yxy color 76.7210, 0.2526, 0.4026.

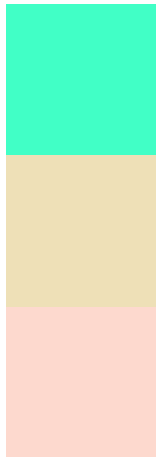


This preview shows how white text looks on a background with the Yxy color 76.7210, 0.2526, 0.4026.

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

76.7210, 0.2526, 0.4026

Protanopia

74.9073, 0.3507, 0.3728

Deuteranopia

74.9646, 0.3471, 0.3403



Tritanopia

75.9297, 0.2529, 0.3118

Trichromacy



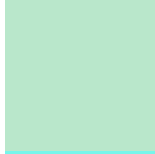
Original Color

76.7210, 0.2526, 0.4026



Protanomaly

72.1615, 0.3017, 0.3856



Deuteranomaly

71.7779, 0.2993, 0.3618



Tritanomaly

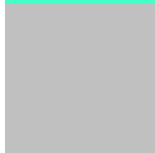
75.0969, 0.2504, 0.3421

Monochromacy



Original Color

76.7210, 0.2526, 0.4026



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

58.6069, 0.2791, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7210, 0.2526, 0.4026 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(65, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(65, 255, 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(65, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 255, 198) }
```

Border

The CSS property to change the border of an element to Yxy 76.7210, 0.2526, 0.4026 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(65, 255, 198) }
```

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

```
.border{ border-color:rgb(65, 255, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 255, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 255, 198);  
box-shadow:4px 4px 4px 4px rgb(65, 255,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7210, 0.2526, 0.4026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 255, 198) }
```

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

```
.background{ background-color: rgb(65, 255,  
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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