

Converting Colors

$Yxy(76.5671, 0.2609, 0.4205)$

Have a look what the booklet for
Yxy(76.5671, 0.2609, 0.4205)
contains.

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Color

Yxy(76.6006, 0.2609, 0.4201)

Conversions

Conversions Part 1

Format	Color
Hex	4DFFB9
RGB	77, 255, 185
RGB Percent	30%, 100%, 73%
CMY	0.6983, 0.0000, 0.2746
CMYK	0.70, 0.00, 0.27, 0.00
HSL	156°, 100%, 65%
HSV	156°, 70%, 100%
XYZ	47.5722, 76.6006, 58.1661
YIQ	193.7980, -83.6180, -59.5060

Conversions

Conversions Part 2

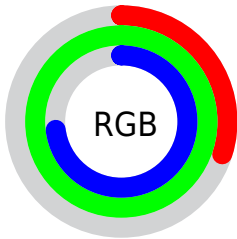
Format	Color
RYB	77, 188, 255
Decimal	5111737
CIELab	90.14, -60.50, 20.71
CIELCh	90, 63.951, 161.100
Yxy	76.6006, 0.2609, 0.4201
Android (android.graphics.Color)	4283301817 (0xFF4DFFB9)
YUV	193.7980, -4.3374, -102.4318
Hunter-Lab	87.5218, -56.1399, 21.8617

Details

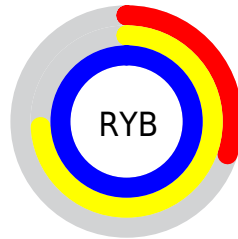
The Yxy color **76.6006, 0.2609, 0.4201** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed spring green. A complement of this color would be **28.6654, 0.4537, 0.2646**, and the grayscale version is **53.8742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9819, 0.2607, 0.3448**, and **41.5984, 0.2559, 0.4411** is the 20% darker color. If you saturate the color by 10%, you get **75.3288, 0.2596, 0.4356**, and if you desaturate by 10%, it is **78.3114, 0.2643, 0.4047**.

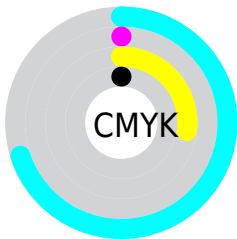
Distribution



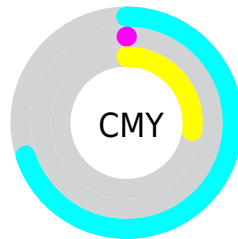
- Red (30%)
- Green (100%)
- Blue (73%)



- Red (30%)
- Yellow (74%)
- Blue (100%)



- Cyan (70%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)



- Cyan (70%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.6006, 0.2609, 0.4201 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 76.6006, 0.2609, 0.4201 by changing the saturation by 10% instead.


 76.6006, 0.2609,
0.4201


 76.6006, 0.2609,
0.4201


483.4012, 0.2858,
0.3757

 56.9251, 0.2550,
0.4308


 128.5755, 0.2697,
0.4043


 40.9451, 0.2476,
0.4442


 161.6438, 0.2731,
0.3983

 28.2762, 0.2381,
0.4616


 199.9451, 0.2760,
0.3931

 18.5340, 0.2254,
0.4851

 243.8638, 0.2785,
0.3887

 11.3340, 0.2078,
0.5182

293.7844, 0.2807,
0.3848

 6.2920, 0.1818,
0.5680


350.0913, 0.2826,


 3.0234, 0.1382,


0.3814


0.6510


413.1687, 0.2843,
0.3784


 1.1440, 0.0000,
1.0000


 0.0152, 0.0000,
1.0000


 76.6006, 0.2609,
0.4201


 76.6006, 0.2609,
0.4201


 75.3288, 0.2596,
0.4356

 78.3114, 0.2643,
0.4047

 74.4529, 0.2603,
0.4510


 80.5145, 0.2695,
0.3897

 73.8861, 0.2628,
0.4659

 83.2453, 0.2763,
0.3755

 73.8773, 0.2628,
0.4661

 86.5384, 0.2844,
0.3622

 90.4254, 0.2934,
0.3500

 94.9354, 0.3030,
0.3388

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.



76.6006, 0.3315, 0.4658



76.6006, 0.2609, 0.4201



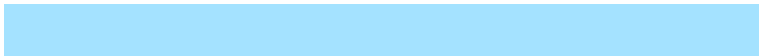
76.6006, 0.2081, 0.3408

Triad

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



76.6006, 0.2609, 0.4201



76.6006, 0.2206, 0.2143



76.6006, 0.4615, 0.3596

Complementary

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



76.6006, 0.2609, 0.4201



28.6654, 0.4537, 0.2646

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.



76.6006, 0.4260, 0.3048



76.6006, 0.2609, 0.4201



76.6006, 0.2791, 0.2256

Square

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



76.6006, 0.2609, 0.4201



76.6006, 0.1883, 0.2277



76.6006, 0.3554, 0.2576



76.6006, 0.4500, 0.4146

Rectangle

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



76.6006, 0.2609, 0.4201



76.6006, 0.1885, 0.2907



76.6006, 0.3554, 0.2576



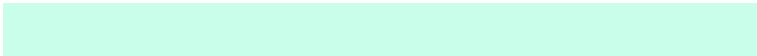
76.6006, 0.4548, 0.3409

Sweetspot

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



76.5975, 0.2609, 0.4201



89.9372, 0.2923, 0.3514



78.3665, 0.3351, 0.5322



19.0117, 0.2897, 0.3547



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.



76.5975, 0.2609, 0.4201



74.9188, 0.2596, 0.4421



69.4765, 0.2274, 0.3071



20.3534, 0.3033, 0.3385



38.6327, 0.2621, 0.4637



3.7830, 0.2574, 0.4466

Inverse Universe

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



28.6654, 0.4537, 0.2646



24.3135, 0.4985, 0.2650



29.9345, 0.5367, 0.3444



18.1054, 0.3232, 0.3197



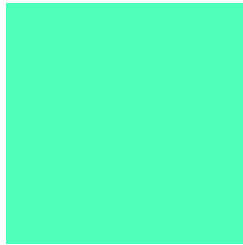
11.6196, 0.5412, 0.2755



1.1521, 0.5108, 0.2588

Previews

White Background



This preview shows how the Yxy color 76.6006, 0.2609, 0.4201 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 76.6006, 0.2609, 0.4201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

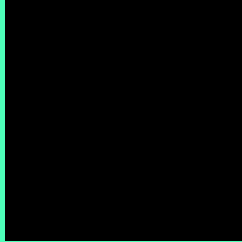
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.6006, 0.2609, 0.4201

Background



This preview shows how black text looks on a background with the Yxy color 76.6006, 0.2609, 0.4201.

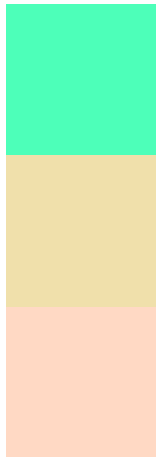


This preview shows how white text looks on a background with the Yxy color 76.6006, 0.2609, 0.4201.

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

76.6006, 0.2609, 0.4201

Protanopia

74.7768, 0.3605, 0.3855

Deuteranopia

74.8712, 0.3560, 0.3506



Tritanopia

76.0242, 0.2534, 0.3118

Trichromacy



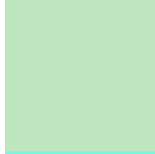
Original Color

76.6006, 0.2609, 0.4201



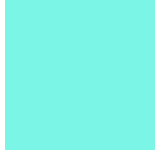
Protanomaly

72.3750, 0.3126, 0.3998



Deuteranomaly

71.9047, 0.3092, 0.3748



Tritanomaly

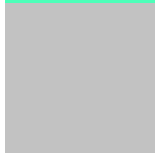
75.2289, 0.2542, 0.3470

Monochromacy



Original Color

76.6006, 0.2609, 0.4201



Achromatopsia

53.9479, 0.3127, 0.3290



Achromatomaly

59.4526, 0.2841, 0.3615

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.6006, 0.2609, 0.4201 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(77, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(77, 255, 185)  
}
```

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(77, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 76.6006, 0.2609, 0.4201 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(77, 255, 185) }
```

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

```
.border{ border-color:rgb(77, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(77, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 76.6006, 0.2609, 0.4201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 255, 185) }
```

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

```
.background{ background-color: rgb(77, 255,  
185) }
```

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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