

Converting Colors

$Yxy(76.9710, 0.2694, 0.3689)$

Have a look what the booklet for
Yxy(76.9710, 0.2694, 0.3689)
contains.

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Color

Yxy(76.9520, 0.2694, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	8CF7D6
RGB	140, 247, 214
RGB Percent	55%, 97%, 84%
CMY	0.4509, 0.0314, 0.1609
CMYK	0.43, 0.00, 0.13, 0.03
HSL	161°, 87%, 76%
HSV	161°, 43%, 97%
XYZ	56.2117, 76.9520, 75.4914
YIQ	211.2450, -53.1790, -32.9470

Conversions

Conversions Part 2

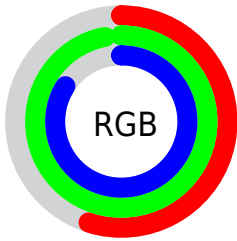
Format	Color
RYB	140, 203, 247
Decimal	9238486
CIELab	90.30, -38.49, 6.26
CIElCh	90, 38.999, 170.763
Yxy	76.9520, 0.2694, 0.3688
Android (android.graphics.Color)	4287428566 (0xFF8CF7D6)
YUV	211.2450, 1.3582, -62.4819
Hunter-Lab	87.7223, -39.1328, 10.3822

Details

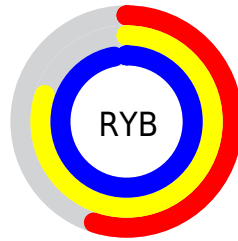
The Yxy color **76.9520, 0.2694, 0.3688** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **41.5528, 0.3907, 0.2937**, and the grayscale version is **65.3308, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **41.1240, 0.2594, 0.3789** is the 20% darker color. If you saturate the color by 10%, you get **74.6641, 0.2623, 0.3799**, and if you desaturate by 10%, it is **79.7458, 0.2779, 0.3583**.

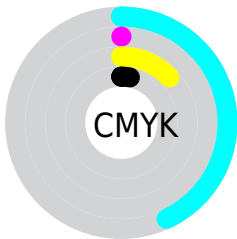
Distribution



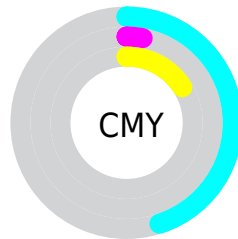
- Red (55%)
- Green (97%)
- Blue (84%)



- Red (55%)
- Yellow (80%)
- Blue (97%)



- Cyan (43%)
- Magenta (0%)
- Yellow (13%)
- Black (3%)





- Cyan (45%)
- Magenta (3%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9520, 0.2694, 0.3688 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 76.9520, 0.2694, 0.3688 by changing the saturation by 10% instead.

 76.9520, 0.2694,
0.3688

 76.9520, 0.2694,
0.3688


484.6004, 0.2894,
0.3501

 57.2135, 0.2648,
0.3731


 129.0717, 0.2763,
0.3623

 41.1767, 0.2592,
0.3785


 162.2217, 0.2790,
0.3597

 28.4572, 0.2521,
0.3854


200.6110, 0.2814,
0.3576

 18.6706, 0.2429,
0.3944

244.6239, 0.2834,
0.3557

 11.4325, 0.2304,
0.4069

294.6449, 0.2852,
0.3540

 6.3585, 0.2125,
0.4252


351.0584, 0.2867,


 3.0643, 0.1851,


0.3526


0.4543

414.2488, 0.2881,
0.3513

 1.1654, 0.0682,
0.5515


 0.0332, 0.0000,
1.0000

 76.9520, 0.2694,
0.3688


 76.9520, 0.2694,
0.3688


 74.6641, 0.2623,
0.3799


 79.7458, 0.2779,
0.3583


 72.8401, 0.2570,
0.3915

 83.0662, 0.2875,
0.3486


 71.4461, 0.2536,
0.4033


 86.9436, 0.2980,
0.3396


 70.4394, 0.2522,
0.4153

 91.4036, 0.3090,
0.3315

 69.7684, 0.2529,
0.4271

 94.8197, 0.3148,
0.3241

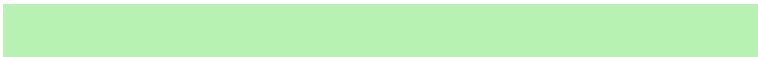
 69.4559, 0.2541,
0.4349

 95.0050, 0.3131,
0.3214

Harmonies

Analogous

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



76.9520, 0.3123, 0.4032



76.9520, 0.2694, 0.3688



76.9520, 0.2394, 0.3231

Triad

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



76.9520, 0.2694, 0.3688



76.9520, 0.2654, 0.2554



76.9520, 0.4050, 0.3641

Complementary

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



76.9520, 0.2694, 0.3688



41.5528, 0.3907, 0.2937

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.



76.9520, 0.3913, 0.3272



76.9520, 0.2694, 0.3688



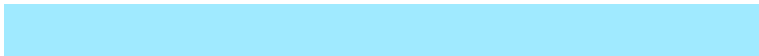
76.9520, 0.3077, 0.2673

Square

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



76.9520, 0.2694, 0.3688



76.9520, 0.2374, 0.2603



76.9520, 0.3545, 0.2928



76.9520, 0.3918, 0.3958

Rectangle

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



76.9520, 0.2694, 0.3688



76.9520, 0.2298, 0.2953



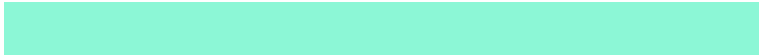
76.9520, 0.3545, 0.2928



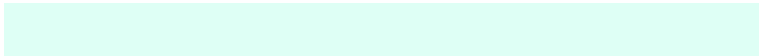
76.9520, 0.4034, 0.3519

Sweetspot

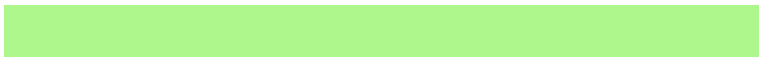
The Sweet Spot groups the original color and five complimentary colors.



76.9551, 0.2694, 0.3688



93.6042, 0.2983, 0.3394



77.4050, 0.3267, 0.4562



19.8257, 0.2960, 0.3413



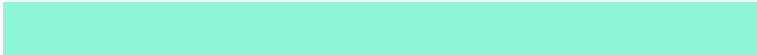
0.0000, 0.0000, 0.0000



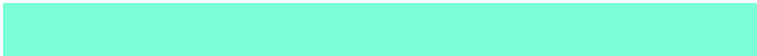
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



76.9551, 0.2694, 0.3688



80.5453, 0.2631, 0.3785



67.4436, 0.2500, 0.3055



18.6656, 0.3022, 0.3364



36.7577, 0.2536, 0.4329



3.2490, 0.2495, 0.4182

Inverse Universe

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



41.5528, 0.3907, 0.2937



37.9338, 0.4156, 0.2872



46.6809, 0.4175, 0.3505



16.5668, 0.3245, 0.3217



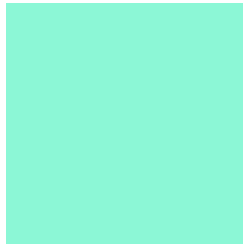
10.7580, 0.5733, 0.2932



0.9632, 0.5379, 0.2737

Previews

White Background



This preview shows how the Yxy color 76.9520, 0.2694, 0.3688 looks on a white background.

Color Contrast Check

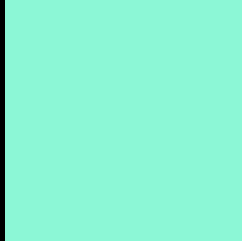
Large Text (above 18pt) WCAG AA × Fail

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 76.9520, 0.2694, 0.3688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

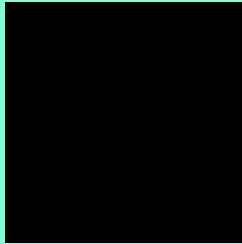
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 76.9520, 0.2694, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 76.9520, 0.2694, 0.3688.

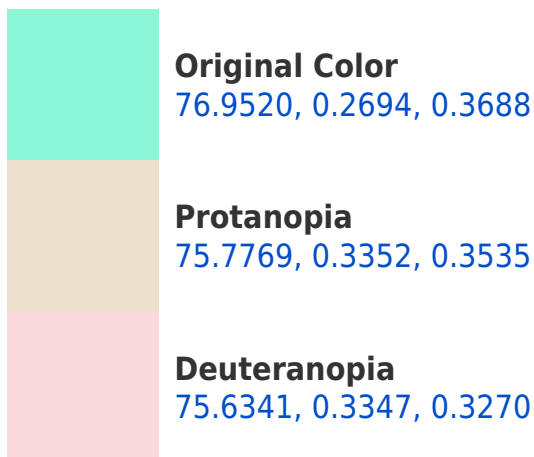


This preview shows how white text looks on a background with the Yxy color 76.9520, 0.2694, 0.3688.

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

76.4761, 0.2607, 0.3099

Trichromacy



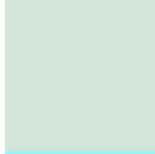
Original Color

76.9520, 0.2694, 0.3688



Protanomaly

75.0134, 0.3073, 0.3596



Deuteranomaly

74.8022, 0.3067, 0.3411



Tritanomaly

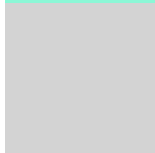
76.3700, 0.2640, 0.3300

Monochromacy



Original Color

76.9520, 0.2694, 0.3688



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

68.3791, 0.2937, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9520, 0.2694, 0.3688 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(140, 247, 214)` looks like.

```
.text, #text, p{  
    color:rgb(140, 247, 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(140, 247, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 247, 214) }
```

Border

The CSS property to change the border of an element to Yxy 76.9520, 0.2694, 0.3688 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(140, 247, 214) }
```

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

```
.border{ border-color:rgb(140, 247, 214) }
```

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

Here you see how a box with a 4 pixel rgb(140, 247, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 247, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 247, 214);  
box-shadow:4px 4px 4px 4px rgb(140, 247,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9520, 0.2694, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 247, 214) }
```

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

```
.background{ background-color: rgb(140,  
247, 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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