

Converting Colors

$Yxy(76.8897, 0.2797, 0.4518)$

Have a look what the booklet for
Yxy(76.8897, 0.2797, 0.4518)
contains.

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Color

Yxy(76.8828, 0.2798, 0.4521)

Conversions

Conversions Part 1

Format	Color
Hex	66FFA0
RGB	102, 255, 160
RGB Percent	40%, 100%, 63%
CMY	0.6001, 0.0000, 0.3725
CMYK	0.60, 0.00, 0.37, 0.00
HSL	143°, 100%, 70%
HSV	143°, 60%, 100%
XYZ	47.5820, 76.8828, 45.5923
YIQ	198.4230, -60.6930, -61.9810

Conversions

Conversions Part 2

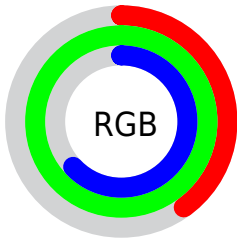
Format	Color
RYB	102, 213, 255
Decimal	6750112
CIELab	90.27, -61.04, 33.59
CIElCh	90, 69.671, 151.172
Yxy	76.8828, 0.2798, 0.4521
Android (android.graphics.Color)	4284940192 (0xFF66FFA0)
YUV	198.4230, -18.9425, -84.5630
Hunter-Lab	87.6828, -56.5802, 30.5491

Details

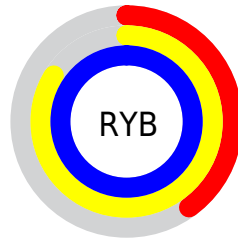
The Yxy color **76.8828, 0.2798, 0.4521** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **34.7854, 0.3803, 0.2360**, and the grayscale version is **56.8816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.4256, 0.2822, 0.3749**, and **41.0796, 0.2696, 0.4861** is the 20% darker color. If you saturate the color by 10%, you get **75.0948, 0.2781, 0.4766**, and if you desaturate by 10%, it is **79.1960, 0.2831, 0.4278**.

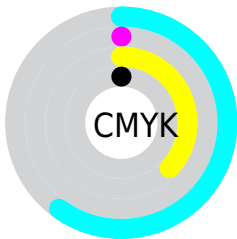
Distribution



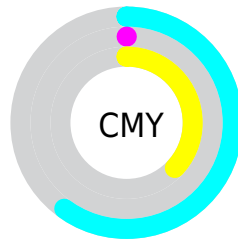
- Red (40%)
- Green (100%)
- Blue (63%)



- Red (40%)
- Yellow (84%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.8828, 0.2798, 0.4521 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 76.8828, 0.2798, 0.4521 by changing the saturation by 10% instead.


 76.8828, 0.2798,
0.4521


 76.8828, 0.2798,
0.4521


484.3643, 0.2972,
0.3914


 57.1567, 0.2753,
0.4668


 128.9740, 0.2863,
0.4303

 41.1311, 0.2694,
0.4854


 162.1079, 0.2886,
0.4221

 28.4215, 0.2615,
0.5095


 200.4799, 0.2906,
0.4150

 18.6436, 0.2504,
0.5419

244.4743, 0.2923,
0.4090

 11.4131, 0.2340,
0.5874

294.4756, 0.2938,
0.4037

 6.3454, 0.2078,
0.6541


350.8681, 0.2951,


 3.0562, 0.1694,


0.3991


0.8057


414.0362, 0.2962,
0.3950


 1.1612, 0.0000,
1.0000

 0.0296, 0.0000,
1.0000


 76.8828, 0.2798,
0.4521


 76.8828, 0.2798,
0.4521


 75.0948, 0.2781,
0.4766

 79.1960, 0.2831,
0.4278

 73.7907, 0.2783,
0.5004

 82.0800, 0.2877,
0.4046

 72.9142, 0.2804,
0.5226

 85.5694, 0.2933,
0.3828

 72.3778, 0.2839,
0.5422

 89.6977, 0.2995,
0.3629

 94.4957, 0.3060,
0.3450

99.9923, 0.3127,
0.3290

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.



76.8828, 0.3577, 0.4813



76.8828, 0.2798, 0.4521



76.8828, 0.2151, 0.3712

Triad

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



76.8828, 0.2798, 0.4521



76.8828, 0.1990, 0.2074



76.8828, 0.4673, 0.3406

Complementary

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



76.8828, 0.2798, 0.4521



34.7854, 0.3803, 0.2360

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.



76.8828, 0.4132, 0.2843



76.8828, 0.2798, 0.4521



76.8828, 0.2523, 0.2115

Square

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



76.8828, 0.2798, 0.4521



76.8828, 0.1744, 0.2306



76.8828, 0.3303, 0.2388



76.8828, 0.4705, 0.4003

Rectangle

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



76.8828, 0.2798, 0.4521



76.8828, 0.1876, 0.3122



76.8828, 0.3303, 0.2388



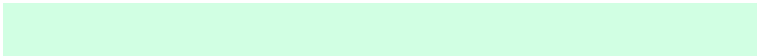
76.8828, 0.4544, 0.3211

Sweetspot

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



76.8812, 0.2798, 0.4521



90.6089, 0.3008, 0.3591



84.6054, 0.3588, 0.4921



19.1140, 0.2989, 0.3646



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.



76.8812, 0.2798, 0.4521



74.7989, 0.2780, 0.4814



80.3176, 0.2471, 0.3533



20.2822, 0.3064, 0.3441



37.8457, 0.2831, 0.5391



3.7054, 0.2768, 0.5164

Inverse Universe

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



34.7854, 0.3803, 0.2360



29.3357, 0.4004, 0.2245



32.1705, 0.4770, 0.3098



18.1767, 0.3197, 0.3143



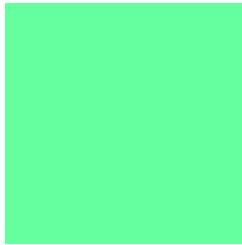
12.4338, 0.4460, 0.2230



1.2319, 0.4278, 0.2130

Previews

White Background



This preview shows how the Yxy color 76.8828, 0.2798, 0.4521 looks on a white background.

Color Contrast Check

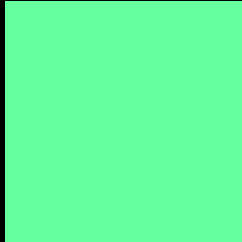
Large Text (above 18pt) WCAG AA × Fail

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 76.8828, 0.2798, 0.4521 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 76.8828, 0.2798, 0.4521

Background



This preview shows how black text looks on a background with the Yxy color 76.8828, 0.2798, 0.4521.

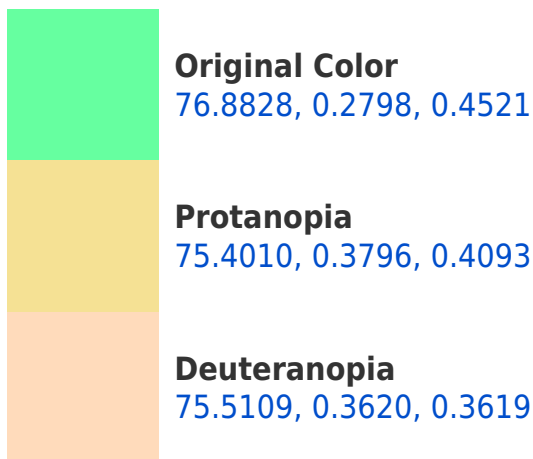


This preview shows how white text looks on a background with the Yxy color 76.8828, 0.2798, 0.4521.

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

76.2221, 0.2570, 0.3108

Trichromacy



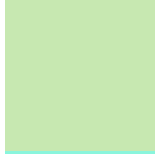
Original Color

76.8828, 0.2798, 0.4521



Protanomaly

73.5954, 0.3350, 0.4276



Deuteranomaly

73.0297, 0.3246, 0.3929



Tritanomaly

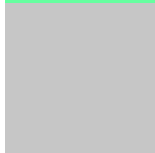
75.8754, 0.2652, 0.3590

Monochromacy



Original Color

76.8828, 0.2798, 0.4521



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

61.9103, 0.2962, 0.3736

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.8828, 0.2798, 0.4521 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(102, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 160)  
}
```

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(102, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 76.8828, 0.2798, 0.4521 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(102, 255, 160) }
```

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

```
.border{ border-color:rgb(102, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 76.8828, 0.2798, 0.4521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 160) }
```

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

```
.background{ background-color: rgb(102,  
255, 160) }
```

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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