

Converting Colors

$Y_{xy}(100.0000, 0.2796, 0.4567)$

Have a look what the booklet for
Yxy(100.0000, 0.2796, 0.4567)
contains.

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Color

Yxy(78.0738, 0.2756, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	6FFF81
RGB	111, 255, 177
RGB Percent	44%, 100%, 69%
CMY	0.5647, 0.0000, 0.3059
CMYK	0.56, 0.00, 0.31, 0.00
HSL	147°, 100%, 72%
HSV	147°, 56%, 100%
XYZ	50.2502, 78.0738, 54.0062
YIQ	203.0520, -60.7860, -54.7860

Conversions

Conversions Part 2

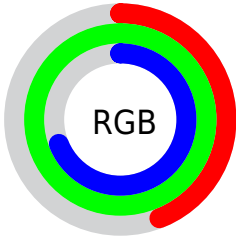
Format	Color
RYB	111, 210, 255
Decimal	7339953
CIELab	90.81, -56.10, 25.85
CIELCh	91, 61.771, 155.266
Yxy	78.0738, 0.2756, 0.4282
Android (android.graphics.Color)	4285530033 (0xFF6FFFB1)
YUV	203.0520, -12.8436, -80.7296
Hunter-Lab	88.3594, -53.1155, 25.6129

Details

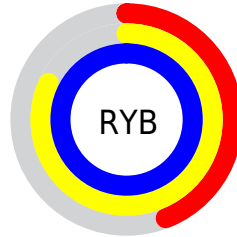
The Yxy color **78.0738, 0.2756, 0.4282** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **36.3056, 0.3880, 0.2510**, and the grayscale version is **59.8658, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1738, 0.2768, 0.3534**, and **41.8191, 0.2653, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **76.1255, 0.2728, 0.4497**, and if you desaturate by 10%, it is **80.5496, 0.2801, 0.4074**.

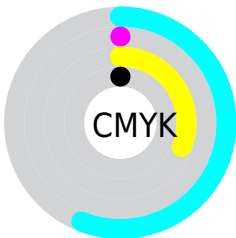
Distribution



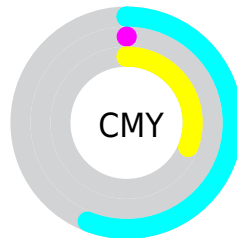
- Red (44%)
- Green (100%)
- Blue (69%)



- Red (44%)
- Yellow (82%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)





- Cyan (56%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0738, 0.2756, 0.4282 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 78.0738, 0.2756, 0.4282 by changing the saturation by 10% instead.


 78.0738, 0.2756,
0.4282


 78.0738, 0.2756,
0.4282


488.4174, 0.2940,
0.3799


 58.1346, 0.2711,
0.4398


 130.6542, 0.2822,
0.4110

 41.9169, 0.2653,
0.4545


 164.0641, 0.2848,
0.4044

 29.0362, 0.2578,
0.4734

 202.7331, 0.2869,
0.3988

 19.1082, 0.2476,
0.4989

247.0455, 0.2887,
0.3940

 11.7485, 0.2329,
0.5348

297.3858, 0.2903,
0.3897

 6.5727, 0.2104,
0.5883


354.1382, 0.2917,


 3.1963, 0.1739,


0.3860

0.6774


417.6873, 0.2929,
0.3828


 1.2351, 0.0000,
1.0000


 0.0901, 0.0000,
1.0000


 78.0738, 0.2756,
0.4282


 78.0738, 0.2756,
0.4282


 76.1255, 0.2728,
0.4497

 80.5496, 0.2801,
0.4074


 74.6620, 0.2718,
0.4712


 83.5914, 0.2858,
0.3877


 73.6331, 0.2729,
0.4920

 87.2335, 0.2926,
0.3694

 72.9763, 0.2759,
0.5115

 91.5075, 0.2999,
0.3528

 72.8006, 0.2772,
0.5180

 96.4428, 0.3076,
0.3378

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.



78.0738, 0.3450, 0.4623



78.0738, 0.2756, 0.4282



78.0738, 0.2199, 0.3558

Triad

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



78.0738, 0.2756, 0.4282



78.0738, 0.2157, 0.2188



78.0738, 0.4525, 0.3485

Complementary

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



78.0738, 0.2756, 0.4282



36.3056, 0.3880, 0.2510

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.



78.0738, 0.4101, 0.2962



78.0738, 0.2756, 0.4282



78.0738, 0.2678, 0.2252

Square

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



78.0738, 0.2756, 0.4282



78.0738, 0.1895, 0.2371



78.0738, 0.3392, 0.2527



78.0738, 0.4504, 0.4023

Rectangle

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



78.0738, 0.2756, 0.4282



78.0738, 0.1971, 0.3057



78.0738, 0.3392, 0.2527



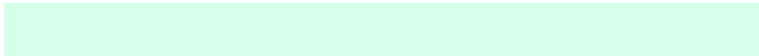
78.0738, 0.4430, 0.3306

Sweetspot

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



78.0736, 0.2756, 0.4282



91.2636, 0.2995, 0.3536



83.6412, 0.3492, 0.4875



19.3407, 0.2980, 0.3568



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.



78.0736, 0.2756, 0.4282



75.8709, 0.2725, 0.4530



81.6649, 0.2446, 0.3372



20.3066, 0.3053, 0.3422



38.0692, 0.2764, 0.5150



3.7284, 0.2703, 0.4932

Inverse Universe

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



36.3056, 0.3880, 0.2510



30.3512, 0.4118, 0.2403



33.9434, 0.4770, 0.3225



18.1517, 0.3209, 0.3162



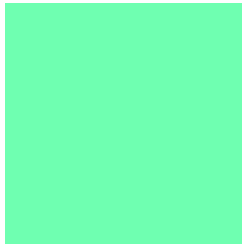
12.1006, 0.4787, 0.2411



1.2003, 0.4557, 0.2284

Previews

White Background



This preview shows how the Yxy color 78.0738, 0.2756, 0.4282 looks on a white background.

Color Contrast Check

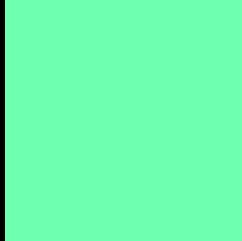
Large Text (above 18pt) WCAG AA × Fail

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 78.0738, 0.2756, 0.4282 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 78.0738, 0.2756, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 78.0738, 0.2756, 0.4282.

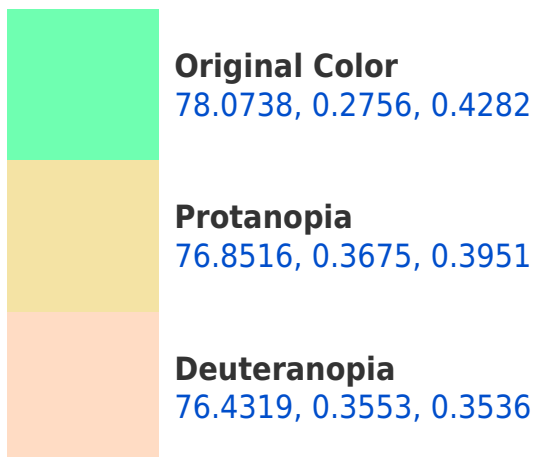


This preview shows how white text looks on a background with the Yxy color 78.0738, 0.2756, 0.4282.

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

77.5395, 0.2605, 0.3121

Trichromacy



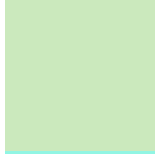
Original Color

78.0738, 0.2756, 0.4282



Protanomaly

75.1687, 0.3268, 0.4080



Deuteranomaly

74.6485, 0.3198, 0.3792



Tritanomaly

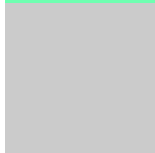
76.8706, 0.2651, 0.3502

Monochromacy



Original Color

78.0738, 0.2756, 0.4282



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6836, 0.2948, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0738, 0.2756, 0.4282 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(111, 255, 177)` looks like.

```
.text, #text, p{  
    color:rgb(111, 255, 177)  
}
```

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(111, 255, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 255, 177) }
```

Border

The CSS property to change the border of an element to Yxy 78.0738, 0.2756, 0.4282 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(111, 255, 177) }
```

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

```
.border{ border-color:rgb(111, 255, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 255, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(111, 255, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(111, 255, 177); box-shadow:4px 4px 4px 4px rgb(111, 255, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0738, 0.2756, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 255, 177) }
```

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

```
.background{ background-color: rgb(111,  
255, 177) }
```

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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