

Converting Colors

$Yxy(77.9105, 0.2679, 0.4162)$

Have a look what the booklet for
Yxy(77.9105, 0.2679, 0.4162)
contains.

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Color

Yxy(77.9326, 0.2677, 0.4155)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66FFBB |
| RGB | 102, 255, 187 |
| RGB Percent | 40%, 100%, 73% |
| CMY | 0.6000, 0.0000, 0.2666 |
| CMYK | 0.60, 0.00, 0.27, 0.00 |
| HSL | 153°, 100%, 70% |
| HSV | 153°, 60%, 100% |
| XYZ | 50.2107, 77.9326, 59.4201 |
| YIQ | 201.5010, -69.3600, -53.5840 |

Conversions

Conversions Part 2

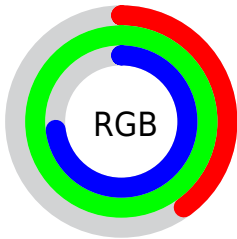
| Format | Color |
|-------------------------------------|---|
| RYB | 102, 200, 255 |
| Decimal | 6750139 |
| CIELab | 90.75, -55.93, 20.61 |
| CIELCh | 91, 59.609, 159.770 |
| Yxy | 77.9326, 0.2677, 0.4155 |
| Android (android.graphics.Color) | 4284940219 (0xFF66FFBB) |
| YUV | 201.5010, -7.1490, -87.2624 |
| Hunter-Lab | 88.2794, -52.9635, 21.8880 |

Details

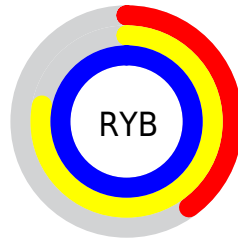
The Yxy color **77.9326, 0.2677, 0.4155** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.6653, 0.4140, 0.2617**, and the grayscale version is **58.8152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9904, 0.2684, 0.3422**, and **41.7319, 0.2558, 0.4371** is the 20% darker color. If you saturate the color by 10%, you get **76.1996, 0.2648, 0.4331**, and if you desaturate by 10%, it is **80.1643, 0.2725, 0.3984**.

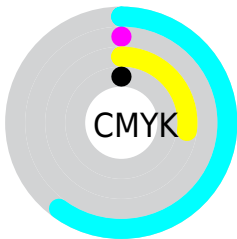
Distribution



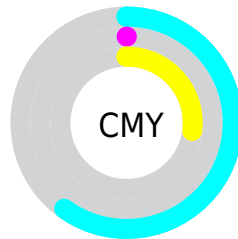
- Red (40%)
- Green (100%)
- Blue (73%)



- Red (40%)
- Yellow (78%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.9326, 0.2677, 0.4155 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 77.9326, 0.2677, 0.4155 by changing the saturation by 10% instead.


 77.9326, 0.2677,
0.4155

 77.9326, 0.2677,
0.4155


487.9379, 0.2894,
0.3736

 58.0186, 0.2626,
0.4255


 130.4551, 0.2754,
0.4006

 41.8236, 0.2561,
0.4381


 163.8324, 0.2783,
0.3949

 28.9632, 0.2478,
0.4545


 202.4663, 0.2808,
0.3900

 19.0530, 0.2367,
0.4764

246.7411, 0.2830,
0.3859

 11.7086, 0.2212,
0.5072

297.0413, 0.2849,
0.3822

 6.5456, 0.1983,
0.5533


353.7512, 0.2866,


 3.1796, 0.1616,


0.3790


0.6283


417.2553, 0.2880,
0.3761


 1.2262, 0.0000,
1.0000


 0.0829, 0.0000,
1.0000


 77.9326, 0.2677,
0.4155


 77.9326, 0.2677,
0.4155


 76.1996, 0.2648,
0.4331


 80.1643, 0.2725,
0.3984


 74.9173, 0.2639,
0.4507


 82.9300, 0.2788,
0.3822

 74.0340, 0.2650,
0.4680

 86.2658, 0.2862,
0.3670

 73.4640, 0.2679,
0.4846

 90.2036, 0.2946,
0.3530

 73.4639, 0.2679,
0.4846

 94.7728, 0.3035,
0.3404

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.



77.9326, 0.3341, 0.4557



77.9326, 0.2677, 0.4155



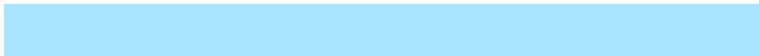
77.9326, 0.2169, 0.3437

Triad

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



77.9326, 0.2677, 0.4155



77.9326, 0.2247, 0.2215



77.9326, 0.4503, 0.3564

Complementary

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



77.9326, 0.2677, 0.4155



33.6653, 0.4140, 0.2617

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.



77.9326, 0.4153, 0.3047



77.9326, 0.2677, 0.4155



77.9326, 0.2789, 0.2310

Square

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



77.9326, 0.2677, 0.4155



77.9326, 0.1953, 0.2357



77.9326, 0.3494, 0.2605



77.9326, 0.4422, 0.4080

Rectangle

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



77.9326, 0.2677, 0.4155



77.9326, 0.1973, 0.2969



77.9326, 0.3494, 0.2605



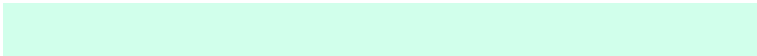
77.9326, 0.4433, 0.3388

Sweetspot

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



77.9338, 0.2677, 0.4155



91.0653, 0.2963, 0.3504



81.1208, 0.3403, 0.5027



19.2249, 0.2938, 0.3542



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.



77.9338, 0.2677, 0.4155



75.9083, 0.2644, 0.4366



76.7810, 0.2370, 0.3198



20.3372, 0.3040, 0.3398



38.4170, 0.2672, 0.4819



3.7625, 0.2619, 0.4629

Inverse Universe

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



33.6653, 0.4140, 0.2617



28.1167, 0.4465, 0.2548



33.2968, 0.4973, 0.3367



18.1212, 0.3224, 0.3185



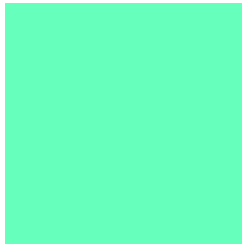
11.7643, 0.5200, 0.2638



1.1670, 0.4917, 0.2482

Previews

White Background



This preview shows how the Yxy color 77.9326, 0.2677, 0.4155 looks on a white background.

Color Contrast Check

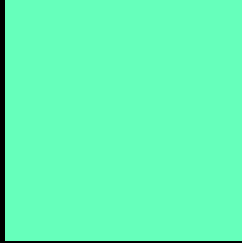
Large Text (above 18pt) WCAG AA × Fail

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 77.9326, 0.2677, 0.4155 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 77.9326, 0.2677, 0.4155

Background



This preview shows how black text looks on a background with the Yxy color 77.9326, 0.2677, 0.4155.



This preview shows how white text looks on a background with the Yxy color 77.9326, 0.2677, 0.4155.

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

77.9326, 0.2677, 0.4155

Protanopia

76.3260, 0.3594, 0.3840

Deuteranopia

76.6165, 0.3524, 0.3495



Tritanopia

77.2216, 0.2591, 0.3120

Trichromacy



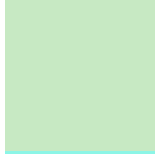
Original Color

77.9326, 0.2677, 0.4155



Protanomaly

74.8994, 0.3174, 0.3968



Deuteranomaly

74.3601, 0.3134, 0.3726



Tritanomaly

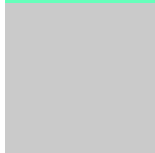
76.5934, 0.2614, 0.3467

Monochromacy



Original Color

77.9326, 0.2677, 0.4155



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

63.8511, 0.2903, 0.3588

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.9326, 0.2677, 0.4155 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, 187)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 187)  
}
```

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, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 187) }
```

Border

The CSS property to change the border of an element to Yxy 77.9326, 0.2677, 0.4155 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, 187) }
```

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

```
.border{ border-color:rgb(102, 255, 187) }
```

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, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 187);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 77.9326, 0.2677, 0.4155 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, 187) }
```

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

```
.background{ background-color: rgb(102,  
255, 187) }
```

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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