

Converting Colors

$Yxy(78.7223, 0.2600, 0.3921)$

Have a look what the booklet for
Yxy(78.7223, 0.2600, 0.3921)
contains.

Yxy(78.7044, 0.2602, 0.3927)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.7044, 0.2602, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	66FFCC
RGB	102, 255, 204
RGB Percent	40%, 100%, 80%
CMY	0.5995, 0.0000, 0.2000
CMYK	0.60, 0.00, 0.20, 0.00
HSL	160°, 100%, 70%
HSV	160°, 60%, 100%
XYZ	52.1489, 78.7044, 69.5653
YIQ	203.4390, -74.8170, -48.2970

Conversions

Conversions Part 2

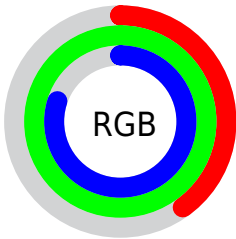
Format	Color
RYB	102, 194, 255
Decimal	6750156
CIELab	91.10, -52.31, 12.40
CIELCh	91, 53.760, 166.665
Yxy	78.7044, 0.2602, 0.3927
Android (android.graphics.Color)	4284940236 (0xFF66FFCC)
YUV	203.4390, 0.2766, -88.9620
Hunter-Lab	88.7155, -50.3259, 15.6092

Details

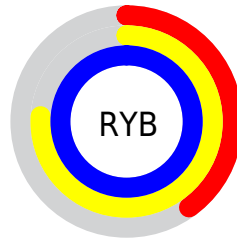
The Yxy color **78.7044, 0.2602, 0.3927** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.0924, 0.4360, 0.2788**, and the grayscale version is **60.0681, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7393, 0.2628, 0.3289**, and **42.1926, 0.2474, 0.4079** is the 20% darker color. If you saturate the color by 10%, you get **77.0403, 0.2563, 0.4056**, and if you desaturate by 10%, it is **80.8552, 0.2659, 0.3802**.

Distribution



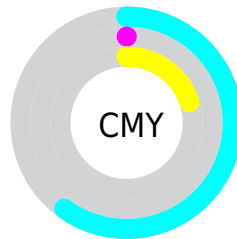
- Red (40%)
- Green (100%)
- Blue (80%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.7044, 0.2602, 0.3927 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 78.7044, 0.2602, 0.3927 by changing the saturation by 10% instead.


 78.7044, 0.2602,
0.3927


 78.7044, 0.2602,
0.3927

490.5558, 0.2847,
0.3624

 58.6528, 0.2546,
0.3998


 131.5426, 0.2687,
0.3820

 42.3337, 0.2477,
0.4087


 165.0981, 0.2720,
0.3779

 29.3627, 0.2389,
0.4201


 203.9235, 0.2748,
0.3744

 19.3553, 0.2274,
0.4353


248.4035, 0.2773,
0.3714

 11.9273, 0.2118,
0.4564

298.9223, 0.2795,
0.3687

 6.6942, 0.1896,
0.4875


355.8643, 0.2814,


 3.2716, 0.1557,


0.3663

0.5376


419.6140, 0.2831,
0.3643


 1.2751, 0.0000,
0.7302


 0.1218, 0.0000,
1.0000


 78.7044, 0.2602,
0.3927


 78.7044, 0.2602,
0.3927


 77.0403, 0.2563,
0.4056


 80.8552, 0.2659,
0.3802

 75.8098, 0.2545,
0.4186


 83.5218, 0.2733,
0.3683


 74.9637, 0.2548,
0.4315

 86.7416, 0.2820,
0.3572

 74.4173, 0.2567,
0.4442

 90.5460, 0.2916,
0.3469

 74.4146, 0.2567,
0.4442

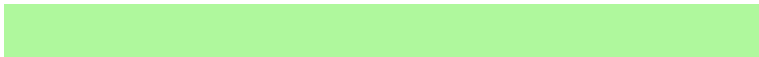
 94.9641, 0.3020,
0.3374

99.9954, 0.3127,
0.3290

Harmonies

Analogous

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



78.7044, 0.3187, 0.4373



78.7044, 0.2602, 0.3927



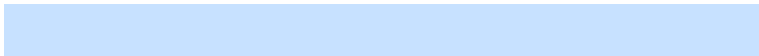
78.7044, 0.2184, 0.3277

Triad

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



78.7044, 0.2602, 0.3927



78.7044, 0.2424, 0.2311



78.7044, 0.4384, 0.3663

Complementary

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



78.7044, 0.2602, 0.3927



33.0924, 0.4360, 0.2788

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.



78.7044, 0.4152, 0.3181



78.7044, 0.2602, 0.3927



78.7044, 0.2963, 0.2443

Square

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



78.7044, 0.2602, 0.3927



78.7044, 0.2097, 0.2394



78.7044, 0.3608, 0.2751



78.7044, 0.4235, 0.4115

Rectangle

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



78.7044, 0.2602, 0.3927



78.7044, 0.2041, 0.2882



78.7044, 0.3608, 0.2751



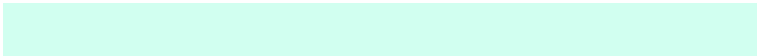
78.7044, 0.4350, 0.3501

Sweetspot

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



78.7075, 0.2602, 0.3927



91.3625, 0.2936, 0.3450



79.5090, 0.3309, 0.5079



19.2977, 0.2907, 0.3478



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.



78.7075, 0.2602, 0.3927



76.7584, 0.2558, 0.4082



67.8016, 0.2328, 0.3011



20.3724, 0.3025, 0.3371



38.9146, 0.2562, 0.4421



3.8093, 0.2521, 0.4276

Inverse Universe

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



33.0924, 0.4360, 0.2788



27.5014, 0.4769, 0.2748



36.9041, 0.4859, 0.3517



18.0870, 0.3242, 0.3211



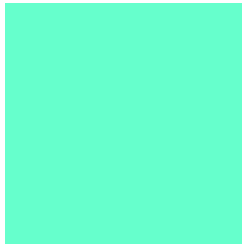
11.4768, 0.5646, 0.2884



1.1368, 0.5328, 0.2709

Previews

White Background



This preview shows how the Yxy color 78.7044, 0.2602, 0.3927 looks on a white background.

Color Contrast Check

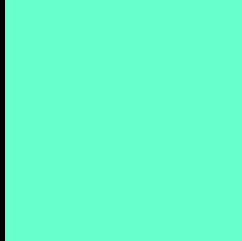
Large Text (above 18pt) WCAG AA × Fail

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 78.7044, 0.2602, 0.3927 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

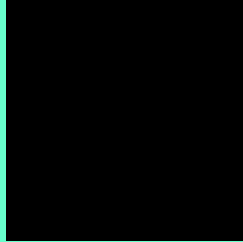
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7044, 0.2602, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 78.7044, 0.2602, 0.3927.

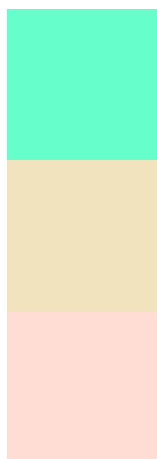


This preview shows how white text looks on a background with the Yxy color 78.7044, 0.2602, 0.3927.

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

78.7044, 0.2602, 0.3927

Protanopia

77.1811, 0.3467, 0.3681

Deuteranopia

77.1999, 0.3438, 0.3372



Tritanopia

78.2376, 0.2612, 0.3133

Trichromacy



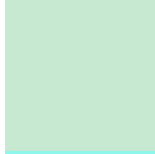
Original Color

78.7044, 0.2602, 0.3927



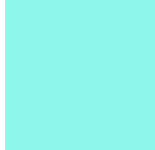
Protanomaly

75.4557, 0.3072, 0.3777



Deuteranomaly

75.0234, 0.3048, 0.3562



Tritanomaly

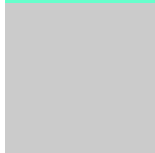
77.8073, 0.2601, 0.3406

Monochromacy



Original Color

78.7044, 0.2602, 0.3927



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.6613, 0.2868, 0.3524

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7044, 0.2602, 0.3927 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 204) }
```

Border

The CSS property to change the border of an element to Yxy 78.7044, 0.2602, 0.3927 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, 204) }
```

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

```
.border{ border-color:rgb(102, 255, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7044, 0.2602, 0.3927 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, 204) }
```

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

```
.background{ background-color: rgb(102,  
255, 204) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor