

Converting Colors

$Yxy(78.3135, 0.2635, 0.4032)$

Have a look what the booklet for
Yxy(78.3135, 0.2635, 0.4032)
contains.

Yxy(78.3303, 0.2637, 0.4034)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(78.3303, 0.2637, 0.4034)

Conversions

Conversions Part 1

Format	Color
Hex	66FFC4
RGB	102, 255, 196
RGB Percent	40%, 100%, 77%
CMY	0.5999, 0.0000, 0.2314
CMYK	0.60, 0.00, 0.23, 0.00
HSL	157°, 100%, 70%
HSV	157°, 60%, 100%
XYZ	51.2040, 78.3303, 64.6409
YIQ	202.5270, -72.2490, -50.7850

Conversions

Conversions Part 2

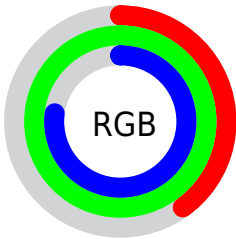
Format	Color
RYB	102, 197, 255
Decimal	6750148
CIELab	90.93, -54.07, 16.27
CIELCh	91, 56.461, 163.251
Yxy	78.3303, 0.2637, 0.4034
Android (android.graphics.Color)	4284940228 (0xFF66FFC4)
YUV	202.5270, -3.2178, -88.1622
Hunter-Lab	88.5044, -51.6120, 18.6495

Details

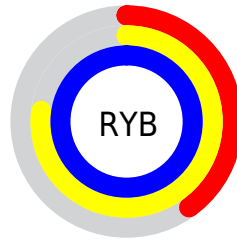
The Yxy color **78.3303, 0.2637, 0.4034** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **33.3408, 0.4257, 0.2707**, and the grayscale version is **59.4666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6112, 0.2638, 0.3310**, and **41.9566, 0.2516, 0.4225** is the 20% darker color. If you saturate the color by 10%, you get **76.6299, 0.2603, 0.4185**, and if you desaturate by 10%, it is **80.5201, 0.2690, 0.3888**.

Distribution



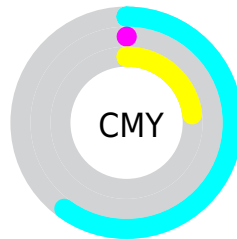
- Red (40%)
- Green (100%)
- Blue (77%)



- Red (40%)
- Yellow (77%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 78.3303, 0.2637, 0.4034 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 78.3303, 0.2637, 0.4034 by changing the saturation by 10% instead.


 78.3303, 0.2637,
0.4034


 78.3303, 0.2637,
0.4034


489.2878, 0.2868,
0.3677

 58.3453, 0.2583,
0.4119


 131.0156, 0.2718,
0.3907

 42.0864, 0.2516,
0.4225


 164.4848, 0.2749,
0.3859

 29.1689, 0.2431,
0.4362


 203.2175, 0.2776,
0.3818

 19.2086, 0.2318,
0.4545

247.5982, 0.2800,
0.3782

 11.8211, 0.2163,
0.4802

298.0111, 0.2820,
0.3750

 6.6220, 0.1938,
0.5184


354.8408, 0.2838,


 3.2268, 0.1589,


0.3723


0.5804


418.4716, 0.2854,
0.3699


 1.2513, 0.0000,
0.8743


 0.1030, 0.0000,
1.0000


 78.3303, 0.2637,
0.4034

 78.3303, 0.2637,
0.4034


 76.6299, 0.2603,
0.4185


 80.5201, 0.2690,
0.3888

 75.3718, 0.2589,
0.4337

 83.2349, 0.2758,
0.3748

 74.5045, 0.2596,
0.4487

 86.5103, 0.2840,
0.3618

 73.9426, 0.2621,
0.4634

 90.3779, 0.2930,
0.3498

 73.9422, 0.2621,
0.4634

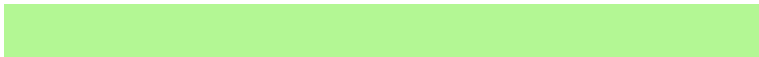
 94.8668, 0.3027,
0.3388

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.



78.3303, 0.3260, 0.4462



78.3303, 0.2637, 0.4034



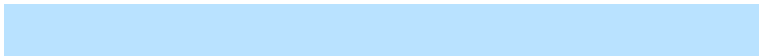
78.3303, 0.2176, 0.3351

Triad

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



78.3303, 0.2637, 0.4034



78.3303, 0.2340, 0.2265



78.3303, 0.4441, 0.3616

Complementary

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



78.3303, 0.2637, 0.4034



33.3408, 0.4257, 0.2707

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.



78.3303, 0.4154, 0.3117



78.3303, 0.2637, 0.4034



78.3303, 0.2880, 0.2380

Square

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



78.3303, 0.2637, 0.4034



78.3303, 0.2028, 0.2376



78.3303, 0.3555, 0.2682



78.3303, 0.4324, 0.4100

Rectangle

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



78.3303, 0.2637, 0.4034



78.3303, 0.2008, 0.2922



78.3303, 0.3555, 0.2682



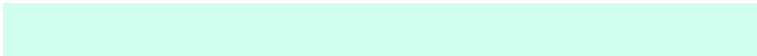
78.3303, 0.4390, 0.3447

Sweetspot

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



78.3313, 0.2637, 0.4034



91.2217, 0.2949, 0.3475



80.2887, 0.3356, 0.5054



19.2632, 0.2921, 0.3508



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.



78.3313, 0.2637, 0.4034



76.3432, 0.2598, 0.4215



72.1908, 0.2349, 0.3106



20.3558, 0.3032, 0.3383



38.6665, 0.2614, 0.4610



3.7862, 0.2567, 0.4442

Inverse Universe

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



33.3408, 0.4257, 0.2707



27.7770, 0.4625, 0.2654



35.0166, 0.4918, 0.3441



18.1031, 0.3233, 0.3199



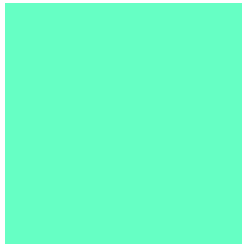
11.6001, 0.5442, 0.2772



1.1500, 0.5136, 0.2603

Previews

White Background



This preview shows how the Yxy color 78.3303, 0.2637, 0.4034 looks on a white background.

Color Contrast Check

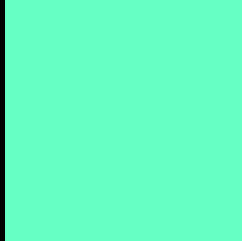
Large Text (above 18pt) WCAG AA × Fail

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 78.3303, 0.2637, 0.4034 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 78.3303, 0.2637, 0.4034

Background



This preview shows how black text looks on a background with the Yxy color 78.3303, 0.2637, 0.4034.



This preview shows how white text looks on a background with the Yxy color 78.3303, 0.2637, 0.4034.

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

78.3303, 0.2637, 0.4034

Protanopia

77.0163, 0.3530, 0.3766

Deuteranopia

76.9026, 0.3481, 0.3433



Tritanopia

77.4327, 0.2601, 0.3121

Trichromacy



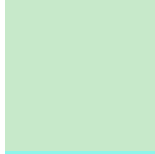
Original Color

78.3303, 0.2637, 0.4034



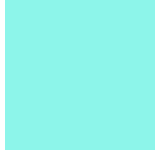
Protanomaly

75.1034, 0.3119, 0.3873



Deuteranomaly

74.6842, 0.3091, 0.3643



Tritanomaly

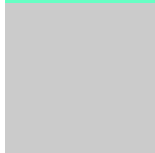
76.9080, 0.2599, 0.3418

Monochromacy



Original Color

78.3303, 0.2637, 0.4034



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.5197, 0.2886, 0.3562

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.3303, 0.2637, 0.4034 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, 196)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 196)  
}
```

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, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 196) }
```

Border

The CSS property to change the border of an element to Yxy 78.3303, 0.2637, 0.4034 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, 196) }
```

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

```
.border{ border-color:rgb(102, 255, 196) }
```

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, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 196);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 78.3303, 0.2637, 0.4034 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, 196) }
```

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

```
.background{ background-color: rgb(102,  
255, 196) }
```

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