

Converting Colors

$Yxy(78.0897, 0.2743, 0.4256)$

Have a look what the booklet for
Yxy(78.0897, 0.2743, 0.4256)
contains.

Yxy(78.0897, 0.2743, 0.4256)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(78.0897, 0.2743, 0.4256)

Conversions

Conversions Part 1

Format	Color
Hex	6EFFB3
RGB	110, 255, 179
RGB Percent	43%, 100%, 70%
CMY	0.5685, 0.0000, 0.2981
CMYK	0.57, 0.00, 0.30, 0.00
HSL	149°, 100%, 72%
HSV	149°, 57%, 100%
XYZ	50.3290, 78.0897, 55.0628
YIQ	202.9810, -62.0240, -54.3760

Conversions

Conversions Part 2

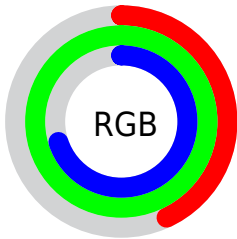
Format	Color
RYB	110, 208, 255
Decimal	7274419
CIELab	90.82, -55.92, 24.83
CIElCh	91, 61.189, 156.057
Yxy	78.0897, 0.2743, 0.4256
Android (android.graphics.Color)	4285464499 (0xFF6EFFB3)
YUV	202.9810, -11.8226, -81.5443
Hunter-Lab	88.3684, -52.9825, 24.9140

Details

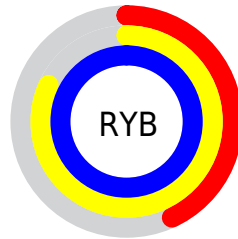
The Yxy color **78.0897, 0.2743, 0.4256** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **35.9656, 0.3918, 0.2530**, and the grayscale version is **59.8184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.1761, 0.2753, 0.3512**, and **41.8139, 0.2636, 0.4506** is the 20% darker color. If you saturate the color by 10%, you get **76.1688, 0.2714, 0.4464**, and if you desaturate by 10%, it is **80.5370, 0.2789, 0.4055**.

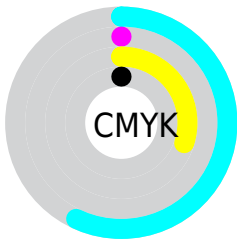
Distribution



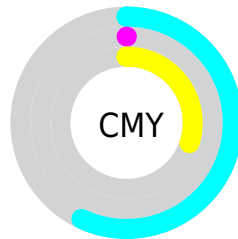
- Red (43%)
- Green (100%)
- Blue (70%)



- Red (43%)
- Yellow (82%)
- Blue (100%)



- Cyan (57%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (57%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.0897, 0.2743, 0.4256 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 78.0897, 0.2743, 0.4256 by changing the saturation by 10% instead.

 78.0897, 0.2743,
0.4256


 78.0897, 0.2743,
0.4256


488.4714, 0.2933,
0.3786


 58.1477, 0.2697,
0.4369


 130.6766, 0.2811,
0.4088

 41.9274, 0.2638,
0.4511


 164.0902, 0.2837,
0.4024

 29.0444, 0.2562,
0.4695


 202.7631, 0.2859,
0.3970

 19.1144, 0.2459,
0.4943

247.0798, 0.2878,
0.3923

 11.7530, 0.2311,
0.5292

297.4245, 0.2894,
0.3882

 6.5757, 0.2087,
0.5812


354.1818, 0.2908,


 3.1982, 0.1721,


0.3846


0.6666


417.7360, 0.2921,
0.3814


 1.2361, 0.0000,
1.0000

 0.0909, 0.0000,
1.0000


 78.0897, 0.2743,
0.4256

 78.0897, 0.2743,
0.4256


 76.1688, 0.2714,
0.4464

 80.5370, 0.2789,
0.4055


 74.7261, 0.2704,
0.4672

 83.5436, 0.2848,
0.3864


 73.7128, 0.2715,
0.4875

 87.1457, 0.2917,
0.3687

 73.0657, 0.2745,
0.5065

 91.3748, 0.2992,
0.3526

 72.9079, 0.2756,
0.5122

 96.2603, 0.3072,
0.3380

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.



78.0897, 0.3430, 0.4607



78.0897, 0.2743, 0.4256



78.0897, 0.2196, 0.3535

Triad

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



78.0897, 0.2743, 0.4256



78.0897, 0.2176, 0.2195



78.0897, 0.4517, 0.3499

Complementary

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



78.0897, 0.2743, 0.4256



35.9656, 0.3918, 0.2530

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.



78.0897, 0.4108, 0.2978



78.0897, 0.2743, 0.4256



78.0897, 0.2699, 0.2265

Square

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



78.0897, 0.2743, 0.4256



78.0897, 0.1908, 0.2371



78.0897, 0.3409, 0.2543



78.0897, 0.4486, 0.4032

Rectangle

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



78.0897, 0.2743, 0.4256



78.0897, 0.1974, 0.3042



78.0897, 0.3409, 0.2543



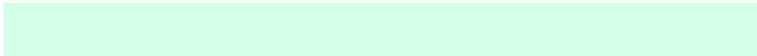
78.0897, 0.4427, 0.3321

Sweetspot

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



78.0914, 0.2743, 0.4256



91.3067, 0.2991, 0.3528



83.2552, 0.3477, 0.4894



19.3509, 0.2976, 0.3559



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.



78.0914, 0.2743, 0.4256



75.9794, 0.2712, 0.4488



81.7497, 0.2433, 0.3344



20.3121, 0.3050, 0.3417



38.1257, 0.2748, 0.5093



3.7341, 0.2688, 0.4878

Inverse Universe

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



35.9656, 0.3918, 0.2530



30.2328, 0.4159, 0.2431



33.6534, 0.4817, 0.3248



18.1462, 0.3212, 0.3166



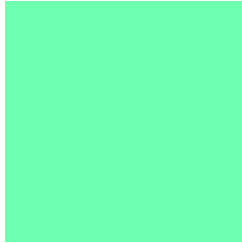
12.0342, 0.4861, 0.2452



1.1938, 0.4621, 0.2319

Previews

White Background



This preview shows how the Yxy color 78.0897, 0.2743, 0.4256 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 78.0897, 0.2743, 0.4256 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

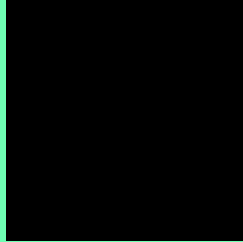
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.0897, 0.2743, 0.4256

Background



This preview shows how black text looks on a background with the Yxy color 78.0897, 0.2743, 0.4256.



This preview shows how white text looks on a background with the Yxy color 78.0897, 0.2743, 0.4256.

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

78.0897, 0.2743, 0.4256

Protanopia

76.9244, 0.3661, 0.3930

Deuteranopia

76.4776, 0.3546, 0.3526



Tritanopia

77.5395, 0.2605, 0.3121

Trichromacy



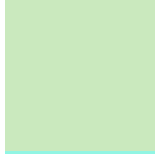
Original Color

78.0897, 0.2743, 0.4256



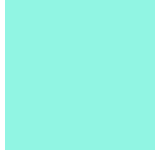
Protanomaly

75.1107, 0.3249, 0.4058



Deuteranomaly

74.5521, 0.3185, 0.3782



Tritanomaly

76.8706, 0.2651, 0.3502

Monochromacy



Original Color

78.0897, 0.2743, 0.4256



Achromatopsia

59.7202, 0.3127, 0.3290



Achromatomaly

64.5726, 0.2941, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.0897, 0.2743, 0.4256 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(110, 255, 179)` looks like.

```
.text, #text, p{  
    color:rgb(110, 255, 179)  
}
```

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(110, 255, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 255, 179) }
```

Border

The CSS property to change the border of an element to Yxy 78.0897, 0.2743, 0.4256 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(110, 255, 179) }
```

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

```
.border{ border-color:rgb(110, 255, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 255, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 255, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 255, 179);  
box-shadow:4px 4px 4px 4px rgb(110, 255,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 78.0897, 0.2743, 0.4256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 255, 179) }
```

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

```
.background{ background-color: rgb(110,  
255, 179) }
```

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