

Converting Colors

$Yxy(78.7455, 0.2459, 0.3455)$

Have a look what the booklet for
Yxy(78.7455, 0.2459, 0.3455)
contains.

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Color

Yxy(78.7971, 0.2459, 0.3456)

Conversions

Conversions Part 1

Format	Color
Hex	69FCEE
RGB	105, 252, 238
RGB Percent	41%, 99%, 93%
CMY	0.5883, 0.0117, 0.0667
CMYK	0.58, 0.00, 0.06, 0.01
HSL	174°, 96%, 70%
HSV	174°, 58%, 99%
XYZ	56.0654, 78.7971, 93.1384
YIQ	206.4510, -83.1180, -35.5180

Conversions

Conversions Part 2

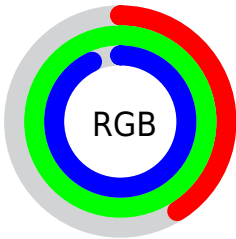
Format	Color
RYB	105, 182, 252
Decimal	6946030
CIELab	91.14, -42.49, -5.13
CIELCh	91, 42.799, 186.878
Yxy	78.7971, 0.2459, 0.3456
Android (android.graphics.Color)	4285136110 (0xFF69FCEE)
YUV	206.4510, 15.5537, -88.9725
Hunter-Lab	88.7677, -42.6035, -0.0718

Details

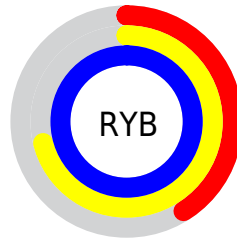
The Yxy color **78.7971, 0.2459, 0.3456** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **32.1270, 0.4769, 0.3158**, and the grayscale version is **61.9613, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **42.5092, 0.2315, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **77.3538, 0.2399, 0.3489**, and if you desaturate by 10%, it is **80.7003, 0.2538, 0.3424**.

Distribution



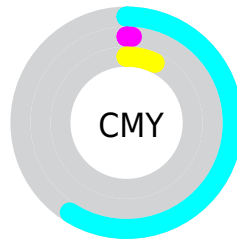
- Red (41%)
- Green (99%)
- Blue (93%)



- Red (41%)
- Yellow (71%)
- Blue (99%)



- Cyan (58%)
- Magenta (0%)
- Yellow (6%)
- Black (1%)





- Cyan (59%)
- Magenta (1%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.7971, 0.2459, 0.3456 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 78.7971, 0.2459, 0.3456 by changing the saturation by 10% instead.


 78.7971, 0.2459,
0.3456


 78.7971, 0.2459,
0.3456


490.8697, 0.2759,
0.3386


 58.7290, 0.2393,
0.3471


 131.6732, 0.2561,
0.3433

 42.3950, 0.2312,
0.3488


 165.2500, 0.2601,
0.3423

 29.4107, 0.2213,
0.3508


 204.0984, 0.2636,
0.3415

 19.3917, 0.2086,
0.3533

248.6029, 0.2667,
0.3408

 11.9537, 0.1919,
0.3563

299.1479, 0.2694,
0.3401

 6.7121, 0.1692,
0.3599

356.1178, 0.2718,

 3.2827, 0.1371,

0.3396

419.8969, 0.2740,
0.3390

0.3638

1.2811, 0.0407,
0.3857

0.1265, 0.0000,
0.2032

78.7971, 0.2459,
0.3456

78.7971, 0.2459,
0.3456

77.3538, 0.2399,
0.3489

80.7003, 0.2538,
0.3424

76.3200, 0.2358,
0.3522


83.0905, 0.2636,
0.3393


75.6499, 0.2337,
0.3555

86.0033, 0.2748,
0.3363


75.2755, 0.2332,
0.3587


89.4685, 0.2874,
0.3335

 75.2264, 0.2331,
0.3593

 93.5136, 0.3009,
0.3310

 97.9395, 0.3144,
0.3286

 98.0930, 0.3130,
0.3263

 98.1055, 0.3128,
0.3262

Harmonies

Analogous

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



78.7971, 0.2858, 0.3929



78.7971, 0.2459, 0.3456



78.7971, 0.2243, 0.2973

Triad

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



78.7971, 0.2459, 0.3456



78.7971, 0.2844, 0.2544



78.7971, 0.4087, 0.3863

Complementary

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



78.7971, 0.2459, 0.3456



32.1270, 0.4769, 0.3158

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.



78.7971, 0.4100, 0.3481



78.7971, 0.2459, 0.3456



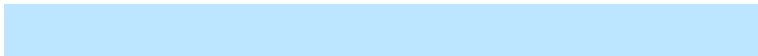
78.7971, 0.3348, 0.2756

Square

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



78.7971, 0.2459, 0.3456



78.7971, 0.2451, 0.2495



78.7971, 0.3822, 0.3088



78.7971, 0.3804, 0.4139

Rectangle

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



78.7971, 0.2459, 0.3456



78.7971, 0.2218, 0.2727



78.7971, 0.3822, 0.3088



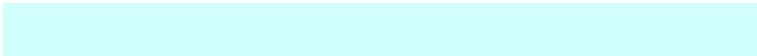
78.7971, 0.4125, 0.3742

Sweetspot

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



78.8001, 0.2459, 0.3456



92.0314, 0.2878, 0.3334



74.6152, 0.3106, 0.5144



19.4625, 0.2840, 0.3342



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.



78.8001, 0.2459, 0.3456



79.2494, 0.2390, 0.3495



48.2570, 0.2238, 0.2541



19.5784, 0.2993, 0.3313



39.1957, 0.2330, 0.3587



3.6383, 0.2319, 0.3548

Inverse Universe

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



32.1270, 0.4769, 0.3158



27.2975, 0.5303, 0.3156



48.1919, 0.4517, 0.3892



17.2521, 0.3279, 0.3268



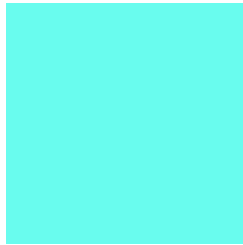
10.8241, 0.6294, 0.3241



1.0112, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 78.7971, 0.2459, 0.3456 looks on a white background.

Color Contrast Check

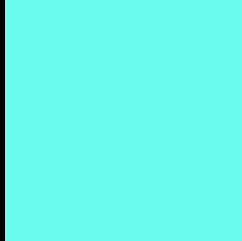
Large Text (above 18pt) WCAG AA × Fail

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 78.7971, 0.2459, 0.3456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

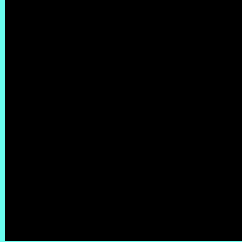
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 78.7971, 0.2459, 0.3456

Background



This preview shows how black text looks on a background with the Yxy color 78.7971, 0.2459, 0.3456.

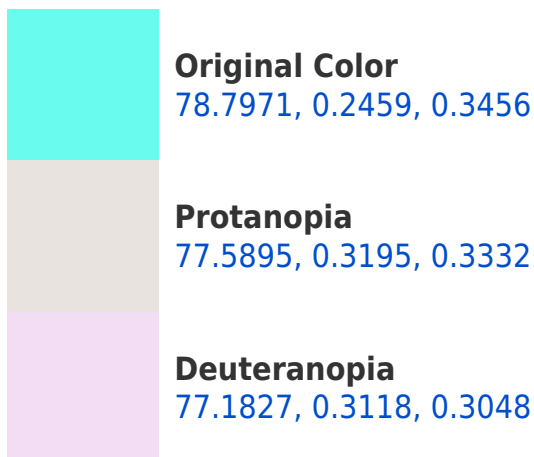


This preview shows how white text looks on a background with the Yxy color 78.7971, 0.2459, 0.3456.

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

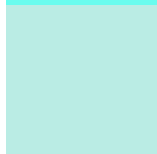
78.1299, 0.2607, 0.3133

Trichromacy



Original Color

78.7971, 0.2459, 0.3456



Protanomaly

76.0314, 0.2856, 0.3380



Deuteranomaly

75.3305, 0.2811, 0.3179



Tritanomaly

77.9840, 0.2539, 0.3242

Monochromacy



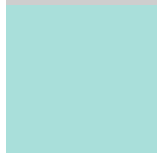
Original Color

78.7971, 0.2459, 0.3456



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.2723, 0.2800, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.7971, 0.2459, 0.3456 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(105, 252, 238)` looks like.

```
.text, #text, p{  
    color:rgb(105, 252, 238)  
}
```

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(105, 252, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 252, 238) }
```

Border

The CSS property to change the border of an element to Yxy 78.7971, 0.2459, 0.3456 is called "border". The border property can be set on classes, ids or directly on the HTML element.

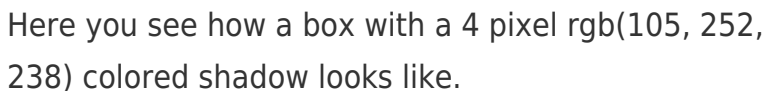
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 252, 238) }
```

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

```
.border{ border-color:rgb(105, 252, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(105, 252, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 252, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 252, 238);  
box-shadow:4px 4px 4px 4px rgb(105, 252,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 78.7971, 0.2459, 0.3456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 252, 238) }
```

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

```
.background{ background-color: rgb(105,  
252, 238) }
```

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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