

Converting Colors

$Yxy(67.0671, 0.2589, 0.3493)$

Have a look what the booklet for
Yxy(67.0671, 0.2589, 0.3493)
contains.

Yxy(67.0311, 0.2589, 0.3491)	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(67.0311, 0.2589, 0.3491)

Conversions

Conversions Part 1

Format	Color
Hex	7DE8D8
RGB	125, 232, 216
RGB Percent	49%, 91%, 85%
CMY	0.5096, 0.0902, 0.1530
CMYK	0.46, 0.00, 0.07, 0.09
HSL	171°, 70%, 70%
HSV	171°, 46%, 91%
XYZ	49.7117, 67.0311, 75.2684
YIQ	198.1830, -58.6360, -27.6600

Conversions

Conversions Part 2

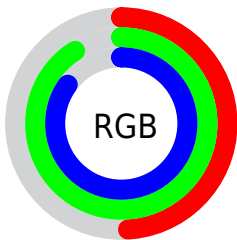
Format	Color
RYB	125, 183, 232
Decimal	8251608
CIELab	85.52, -34.73, -1.81
CIELCh	86, 34.782, 182.977
Yxy	67.0311, 0.2589, 0.3491
Android (android.graphics.Color)	4286441688 (0xFF7DE8D8)
YUV	198.1830, 8.7838, -64.1815
Hunter-Lab	81.8725, -34.8946, 2.8033

Details

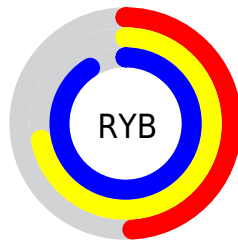
The Yxy color **67.0311, 0.2589, 0.3491** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.7617, 0.4186, 0.3110**, and the grayscale version is **56.5692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.8073, 0.2716, 0.3289**, and **34.7477, 0.2462, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **65.3081, 0.2510, 0.3542**, and if you desaturate by 10%, it is **69.1710, 0.2685, 0.3442**.

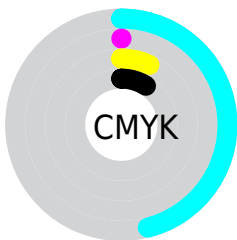
Distribution



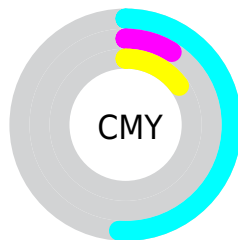
- Red (49%)
- Green (91%)
- Blue (85%)



- Red (49%)
- Yellow (72%)
- Blue (91%)



- Cyan (46%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)





- Cyan (51%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.0311, 0.2589, 0.3491 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 67.0311, 0.2589, 0.3491 by changing the saturation by 10% instead.

 67.0311, 0.2589,
0.3491

 67.0311, 0.2589,
0.3491


450.0555, 0.2840,
0.3399


 49.1099, 0.2532,
0.3512


 114.9650, 0.2676,
0.3459

 34.7067, 0.2460,
0.3537


 145.7464, 0.2710,
0.3447

 23.4370, 0.2370,
0.3570


 181.5834, 0.2739,
0.3436

 14.9165, 0.2252,
0.3611

222.8604, 0.2764,
0.3427

 8.7608, 0.2092,
0.3667

269.9617, 0.2787,
0.3418

 4.5855, 0.1863,
0.3744

323.2717, 0.2806,

 2.0062, 0.1510,

0.3411

0.3857

383.1748, 0.2824,
0.3405

■ 0.6111, 0.0000,
0.4356

■ 0.0000, 0.0000,
0.0000

■ 67.0311, 0.2589,
0.3491

■ 67.0311, 0.2589,
0.3491

■ 65.3081, 0.2510,
0.3542

■ 69.1710, 0.2685,
0.3442

■ 63.9653, 0.2449,
0.3595

■ 71.7458, 0.2795,
0.3395

■ 62.9726, 0.2407,
0.3649


■ 74.7822, 0.2916,
0.3352

■ 62.2921, 0.2385,
0.3702

■ 78.3022, 0.3045,
0.3312

 61.8765, 0.2381,
0.3755


 82.3266, 0.3180,
0.3276

 61.7555, 0.2382,
0.3776

 85.0776, 0.3254,
0.3243

 85.2825, 0.3231,
0.3209

 85.4914, 0.3209,
0.3175

 85.7043, 0.3186,
0.3142

Harmonies

Analogous

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



67.0311, 0.2953, 0.3873



67.0311, 0.2589, 0.3491



67.0311, 0.2374, 0.3073

Triad

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



67.0311, 0.2589, 0.3491



67.0311, 0.2834, 0.2626



67.0311, 0.3968, 0.3754

Complementary

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



67.0311, 0.2589, 0.3491



33.7617, 0.4186, 0.3110

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.



67.0311, 0.3943, 0.3418



67.0311, 0.2589, 0.3491



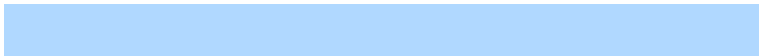
67.0311, 0.3261, 0.2795

Square

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



67.0311, 0.2589, 0.3491



67.0311, 0.2508, 0.2607



67.0311, 0.3677, 0.3076



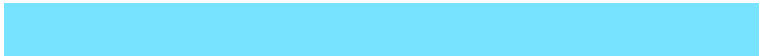
67.0311, 0.3756, 0.4001

Rectangle

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



67.0311, 0.2589, 0.3491



67.0311, 0.2335, 0.2846



67.0311, 0.3677, 0.3076



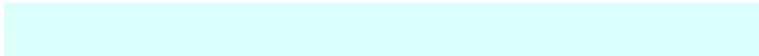
67.0311, 0.3988, 0.3647

Sweetspot

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



67.0337, 0.2589, 0.3491



93.5070, 0.2942, 0.3344



64.8661, 0.3155, 0.4698



19.8233, 0.2914, 0.3353



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.



67.0337, 0.2589, 0.3491



81.0879, 0.2515, 0.3538



49.0272, 0.2425, 0.2801



16.2973, 0.3001, 0.3325



34.2993, 0.2380, 0.3767



2.5447, 0.2358, 0.3690

Inverse Universe

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



33.7617, 0.4186, 0.3110



35.2353, 0.4530, 0.3083



44.6494, 0.4164, 0.3719



14.4030, 0.3269, 0.3255



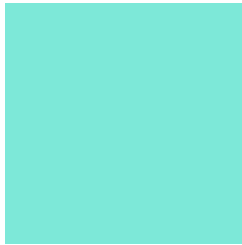
9.6022, 0.6190, 0.3183



0.7206, 0.5834, 0.2987

Previews

White Background



This preview shows how the Yxy color 67.0311, 0.2589, 0.3491 looks on a white background.

Color Contrast Check

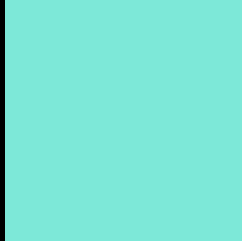
Large Text (above 18pt) WCAG AA × Fail

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 67.0311, 0.2589, 0.3491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

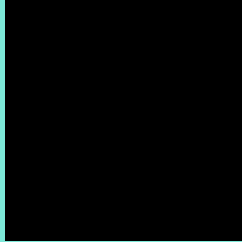
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 67.0311, 0.2589, 0.3491

Background



This preview shows how black text looks on a background with the Yxy color 67.0311, 0.2589, 0.3491.

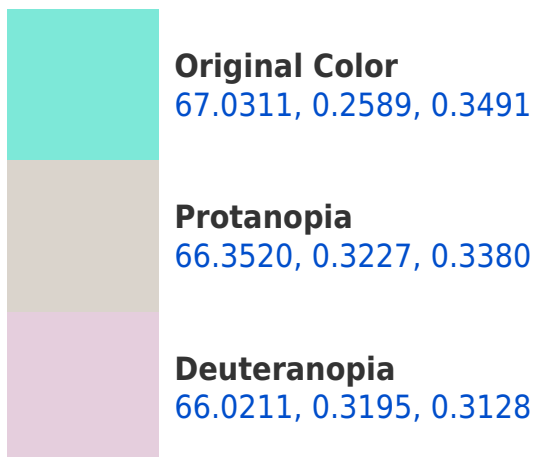


This preview shows how white text looks on a background with the Yxy color 67.0311, 0.2589, 0.3491.

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

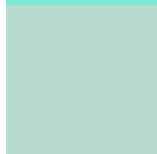
67.2090, 0.2478, 0.3073

Trichromacy



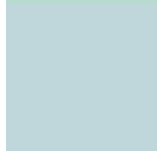
Original Color

67.0311, 0.2589, 0.3491



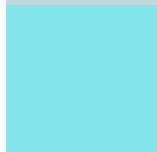
Protanomaly

65.4074, 0.2954, 0.3421



Deuteranomaly

64.7917, 0.2932, 0.3243



Tritanomaly

66.8621, 0.2518, 0.3215

Monochromacy



Original Color

67.0311, 0.2589, 0.3491



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.1589, 0.2881, 0.3351

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.0311, 0.2589, 0.3491 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(125, 232, 216)` looks like.

```
.text, #text, p{  
    color:rgb(125, 232, 216)  
}
```

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(125, 232, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 232, 216) }
```

Border

The CSS property to change the border of an element to Yxy 67.0311, 0.2589, 0.3491 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(125, 232, 216) }
```

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

```
.border{ border-color:rgb(125, 232, 216) }
```

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

Here you see how a box with a 4 pixel rgb(125, 232, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 232, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 232, 216);  
box-shadow:4px 4px 4px 4px rgb(125, 232,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 67.0311, 0.2589, 0.3491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 232, 216) }
```

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

```
.background{ background-color: rgb(125,  
232, 216) }
```

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