

# Converting Colors

$Yxy(66.0070, 0.2700, 0.3709)$

Have a look what the booklet for  
Yxy(66.0070, 0.2700, 0.3709)  
contains.

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# Color

**Yxy(65.9749, 0.2702, 0.3715)**

# Conversions

## Conversions Part 1

Format	Color
Hex	82E7C6
RGB	130, 231, 198
RGB Percent	51%, 91%, 78%
CMY	0.4898, 0.0942, 0.2235
CMYK	0.44, 0.00, 0.14, 0.09
HSL	160°, 68%, 71%
HSV	160°, 44%, 91%
XYZ	47.9850, 65.9749, 63.6307
YIQ	197.0390, -49.6030, -31.6750

# Conversions

## Conversions Part 2

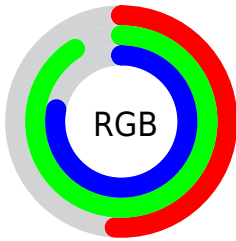
Format	Color
<a href="#">RYB</a>	<a href="#">130, 190, 231</a>
Decimal	<a href="#">8579014</a>
CIELab	<a href="#">84.98, -37.14, 6.90</a>
CIELCh	<a href="#">85, 37.779, 169.479</a>
Yxy	<a href="#">65.9749, 0.2702, 0.3715</a>
Android (android.graphics.Color)	<a href="#">4286769094 (0xFF82E7C6)</a>
YUV	<a href="#">197.0390, 0.4738, -58.7932</a>
Hunter-Lab	<a href="#">81.2249, -36.6918, 10.4103</a>

# Details

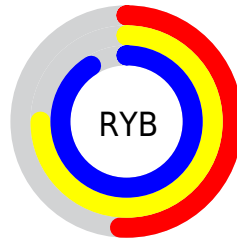
The Yxy color **65.9749, 0.2702, 0.3715** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.6248, 0.3891, 0.2914**, and the grayscale version is **55.8930, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **34.0900, 0.2598, 0.3833** is the 20% darker color. If you saturate the color by 10%, you get **64.0099, 0.2634, 0.3833**, and if you desaturate by 10%, it is **68.3727, 0.2785, 0.3604**.

# Distribution



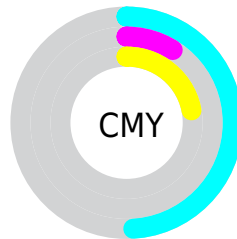
- Red (51%)
- Green (91%)
- Blue (78%)



- Red (51%)
- Yellow (75%)
- Blue (91%)



- Cyan (44%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)




- Cyan (49%)
- Magenta (9%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 65.9749, 0.2702, 0.3715 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 65.9749, 0.2702, 0.3715 by changing the saturation by 10% instead.



 65.9749, 0.2702,  
0.3715


 65.9749, 0.2702,  
0.3715


446.2871, 0.2904,  
0.3510

 48.2520, 0.2654,  
0.3764


 113.4503, 0.2773,  
0.3642

 34.0265, 0.2595,  
0.3826


 143.9716, 0.2801,  
0.3614

 22.9140, 0.2519,  
0.3907


 179.5279, 0.2824,  
0.3590

 14.5300, 0.2417,  
0.4016

220.5035, 0.2844,  
0.3570

 8.4902, 0.2275,  
0.4171

267.2828, 0.2862,  
0.3552

 4.4102, 0.2064,  
0.4409

320.2503, 0.2878,

 1.9056, 0.1698,

0.3536

0.4829

379.7902, 0.2892,  
0.3522

■ 0.5517, 0.0000,  
0.8233

■ 0.0000, 0.0000,  
0.0000

■ 65.9749, 0.2702,  
0.3715

■ 65.9749, 0.2702,  
0.3715

■ 64.0099, 0.2634,  
0.3833

■ 68.3727, 0.2785,  
0.3604

■ 62.4416, 0.2582,  
0.3956


■ 71.2207, 0.2878,  
0.3500


■ 61.2414, 0.2550,  
0.4082


■ 74.5450, 0.2980,  
0.3405

■ 60.3728, 0.2538,  
0.4208

■ 78.3673, 0.3087,  
0.3319

 59.7917, 0.2546,  
0.4333

 82.7081, 0.3197,  
0.3242

 59.5293, 0.2559,  
0.4411

 84.8974, 0.3212,  
0.3170

 85.3640, 0.3164,  
0.3097

 85.6272, 0.3138,  
0.3058

# Harmonies

## Analogous

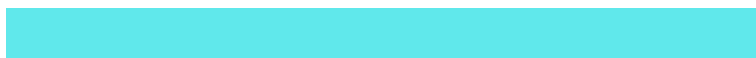
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.9749, 0.3142, 0.4057



65.9749, 0.2702, 0.3715



65.9749, 0.2390, 0.3248

# Triad

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



65.9749, 0.2702, 0.3715



65.9749, 0.2629, 0.2539



65.9749, 0.4068, 0.3630

# Complementary

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



65.9749, 0.2702, 0.3715



35.6248, 0.3891, 0.2914

# 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.



65.9749, 0.3917, 0.3255



65.9749, 0.2702, 0.3715



65.9749, 0.3055, 0.2654

# Square

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



65.9749, 0.2702, 0.3715



65.9749, 0.2353, 0.2597



65.9749, 0.3534, 0.2908



65.9749, 0.3944, 0.3958



# Rectangle

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



65.9749, 0.2702, 0.3715



65.9749, 0.2286, 0.2962



65.9749, 0.3534, 0.2908



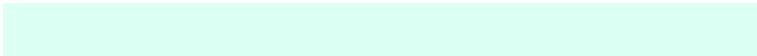
65.9749, 0.4048, 0.3506

# Sweetspot

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



65.9776, 0.2702, 0.3715



93.5674, 0.2987, 0.3400



66.6247, 0.3279, 0.4564



19.8165, 0.2963, 0.3420



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.



65.9776, 0.2702, 0.3715



80.4223, 0.2642, 0.3816



58.7040, 0.2501, 0.3076



16.2520, 0.3025, 0.3368



33.3995, 0.2553, 0.4392



2.4850, 0.2503, 0.4210



# Inverse Universe

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



35.6248, 0.3891, 0.2914



38.0217, 0.4127, 0.2848



39.4409, 0.4191, 0.3487



14.4453, 0.3241, 0.3213



9.8334, 0.5658, 0.2891

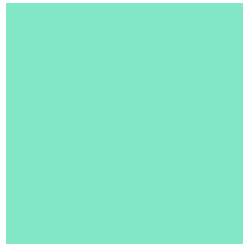


0.7433, 0.5246, 0.2664



# Previews

## White Background



This preview shows how the Yxy color 65.9749, 0.2702, 0.3715 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

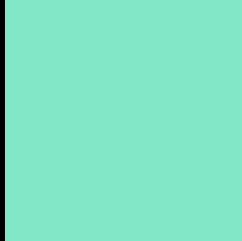
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 65.9749, 0.2702, 0.3715 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

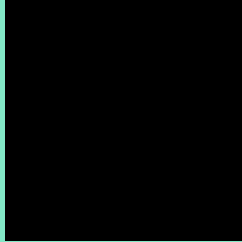
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

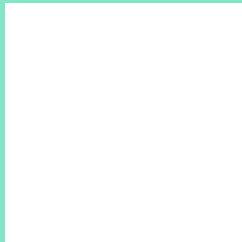
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 65.9749, 0.2702, 0.3715**

## Background



This preview shows how black text looks on a background with the Yxy color 65.9749, 0.2702, 0.3715.

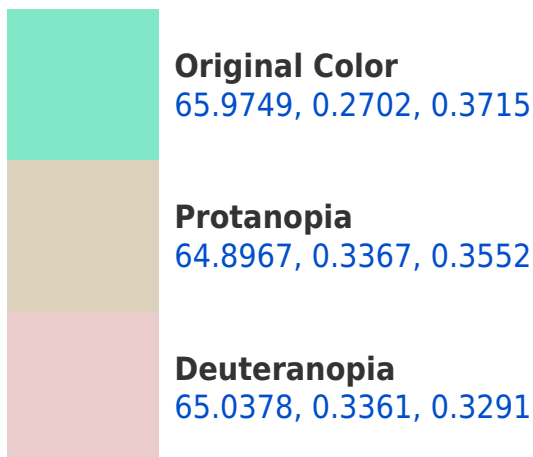


This preview shows how white text looks on a background with the Yxy color 65.9749, 0.2702, 0.3715.

# 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

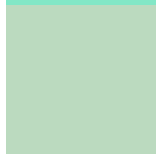
66.0723, 0.2523, 0.3073

# Trichromacy



## Original Color

65.9749, 0.2702, 0.3715



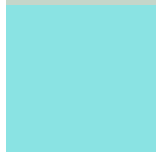
## Protanomaly

64.4692, 0.3083, 0.3616



## Deuteranomaly

64.0932, 0.3077, 0.3431



## Tritanomaly

65.8875, 0.2586, 0.3288

# Monochromacy



## Original Color

65.9749, 0.2702, 0.3715



## Achromatopsia

55.8340, 0.3127, 0.3290



## Achromatomaly

58.5164, 0.2946, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 65.9749, 0.2702, 0.3715 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(130, 231, 198)` looks like.

```
.text, #text, p{  
    color:rgb(130, 231, 198)  
}
```

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(130, 231, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 231, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 65.9749, 0.2702, 0.3715 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(130, 231, 198) }
```

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

```
.border{ border-color:rgb(130, 231, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 231, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 231, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 231, 198);  
box-shadow:4px 4px 4px 4px rgb(130, 231,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 65.9749, 0.2702, 0.3715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 231, 198) }
```

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

```
.background{ background-color: rgb(130,  
231, 198) }
```

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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