

Converting Colors

Yxy(65.8111, 0.2756, 0.3729)

Have a look what the booklet for
Yxy(65.8111, 0.2756, 0.3729)
contains.

Yxy(65.9370, 0.2757, 0.3739)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(65.9370, 0.2757, 0.3739)

Conversions

Conversions Part 1

Format	Color
Hex	8AE6C3
RGB	138, 230, 195
RGB Percent	54%, 90%, 76%
CMY	0.4591, 0.0980, 0.2353
CMYK	0.40, 0.00, 0.15, 0.10
HSL	157°, 65%, 72%
HSV	157°, 40%, 90%
XYZ	48.6195, 65.9370, 61.7928
YIQ	198.5020, -43.5970, -30.3890

Conversions

Conversions Part 2

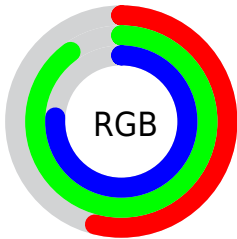
Format	Color
RYB	138, 195, 230
Decimal	9103043
CIELab	84.96, -35.31, 8.49
CIELCh	85, 36.319, 166.480
Yxy	65.9370, 0.2757, 0.3739
Android (android.graphics.Color)	4287293123 (0xFF8AE6C3)
YUV	198.5020, -1.7265, -53.0603
Hunter-Lab	81.2016, -35.2258, 11.7226

Details

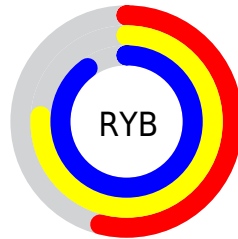
The Yxy color **65.9370, 0.2757, 0.3739** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **37.9982, 0.3746, 0.2890**, and the grayscale version is **56.8160, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.1504, 0.2793, 0.3321**, and **33.9890, 0.2664, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **63.7981, 0.2688, 0.3875**, and if you desaturate by 10%, it is **68.5197, 0.2838, 0.3611**.

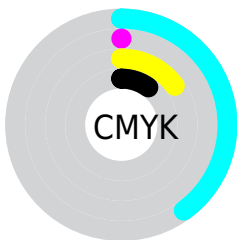
Distribution



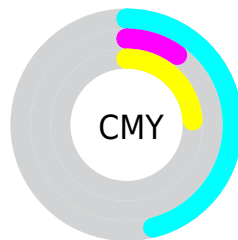
- Red (54%)
- Green (90%)
- Blue (76%)



- Red (54%)
- Yellow (76%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (15%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9370, 0.2757, 0.3739 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 65.9370, 0.2757, 0.3739 by changing the saturation by 10% instead.


 65.9370, 0.2757,
0.3739

 65.9370, 0.2757,
0.3739


446.1515, 0.2934,
0.3521

 48.2213, 0.2715,
0.3791


 113.3959, 0.2820,
0.3661

 34.0021, 0.2662,
0.3858


 143.9079, 0.2844,
0.3632

 22.8952, 0.2595,
0.3944


 179.4540, 0.2864,
0.3606

 14.5162, 0.2504,
0.4061

220.4188, 0.2882,
0.3585

 8.4805, 0.2376,
0.4229

267.1865, 0.2897,
0.3566

 4.4039, 0.2184,
0.4488

320.1416, 0.2911,

 1.9020, 0.1853,

0.3549

0.4945

379.6685, 0.2923,
0.3534

0.5496, 0.0000,
0.9914

0.0000, 0.0000,
0.0000

65.9370, 0.2757,
0.3739

65.9370, 0.2757,
0.3739

63.7981, 0.2688,
0.3875

68.5197, 0.2838,
0.3611

62.0683, 0.2635,
0.4018

71.5628, 0.2929,
0.3494

60.7202, 0.2600,
0.4166


75.0916, 0.3026,
0.3387

59.7197, 0.2585,
0.4315

79.1273, 0.3127,
0.3290

 59.0263, 0.2590,
0.4463

 83.6897, 0.3229,
0.3204

 58.5716, 0.2613,
0.4606

 84.6071, 0.3186,
0.3120

 85.0821, 0.3138,
0.3049

Harmonies

Analogous

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



65.9370, 0.3188, 0.4046



65.9370, 0.2757, 0.3739



65.9370, 0.2439, 0.3296

Triad

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



65.9370, 0.2757, 0.3739



65.9370, 0.2613, 0.2563



65.9370, 0.4029, 0.3585

Complementary

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



65.9370, 0.2757, 0.3739



37.9982, 0.3746, 0.2890

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.



65.9370, 0.3857, 0.3222



65.9370, 0.2757, 0.3739



65.9370, 0.3013, 0.2658

Square

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



65.9370, 0.2757, 0.3739



65.9370, 0.2363, 0.2638



65.9370, 0.3474, 0.2893



65.9370, 0.3936, 0.3908

Rectangle

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



65.9370, 0.2757, 0.3739



65.9370, 0.2326, 0.3014



65.9370, 0.3474, 0.2893



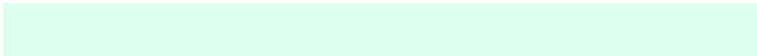
65.9370, 0.4001, 0.3464

Sweetspot

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



65.9397, 0.2757, 0.3739



93.9244, 0.3006, 0.3408



67.3457, 0.3303, 0.4434



19.9742, 0.2993, 0.3421



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.



65.9397, 0.2757, 0.3739



81.0506, 0.2699, 0.3851



61.9167, 0.2556, 0.3155



16.2386, 0.3032, 0.3381



33.1795, 0.2607, 0.4584



2.4698, 0.2548, 0.4372

Inverse Universe

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



37.9982, 0.3746, 0.2890



41.1863, 0.3939, 0.2811



40.0508, 0.4089, 0.3418



14.4582, 0.3233, 0.3201



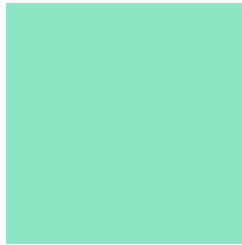
9.9401, 0.5452, 0.2777



0.7522, 0.5057, 0.2559

Previews

White Background



This preview shows how the Yxy color 65.9370, 0.2757, 0.3739 looks on a white background.

Color Contrast Check

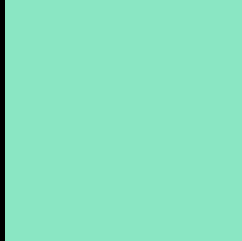
Large Text (above 18pt) WCAG AA × Fail

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 65.9370, 0.2757, 0.3739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

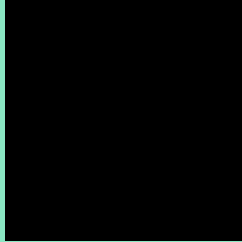
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.9370, 0.2757, 0.3739

Background



This preview shows how black text looks on a background with the Yxy color 65.9370, 0.2757, 0.3739.

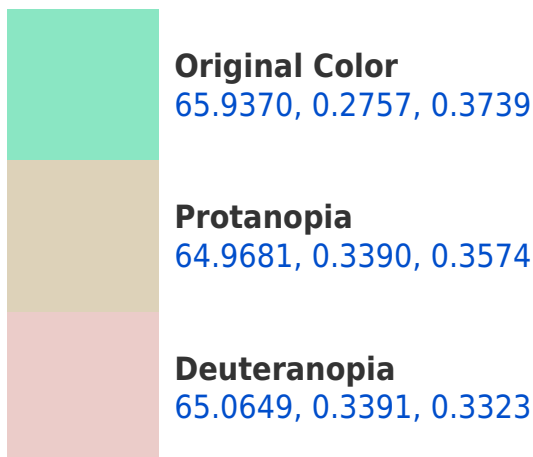


This preview shows how white text looks on a background with the Yxy color 65.9370, 0.2757, 0.3739.

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

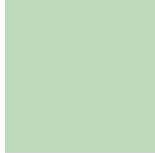
65.5158, 0.2564, 0.3074

Trichromacy



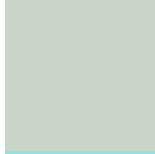
Original Color

65.9370, 0.2757, 0.3739



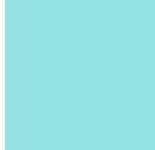
Protanomaly

64.3762, 0.3126, 0.3627



Deuteranomaly

63.9914, 0.3127, 0.3454



Tritanomaly

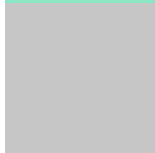
65.7943, 0.2635, 0.3313

Monochromacy



Original Color

65.9370, 0.2757, 0.3739



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

59.3545, 0.2967, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9370, 0.2757, 0.3739 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(138, 230, 195)` looks like.

```
.text, #text, p{  
    color:rgb(138, 230, 195)  
}
```

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(138, 230, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 230, 195) }
```

Border

The CSS property to change the border of an element to Yxy 65.9370, 0.2757, 0.3739 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(138, 230, 195) }
```

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

```
.border{ border-color:rgb(138, 230, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 230, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 230, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 230, 195);  
box-shadow:4px 4px 4px 4px rgb(138, 230,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9370, 0.2757, 0.3739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 230, 195) }
```

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

```
.background{ background-color: rgb(138,  
230, 195) }
```

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