

Converting Colors

$Y_{xy}(69.5129, 0.2635, 0.3620)$

Have a look what the booklet for
Yxy(69.5129, 0.2635, 0.3620)
contains.

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Color

Yxy(69.7335, 0.2637, 0.3629)

Conversions

Conversions Part 1

Format	Color
Hex	7FEDD2
RGB	127, 237, 210
RGB Percent	50%, 93%, 82%
CMY	0.5018, 0.0706, 0.1765
CMYK	0.46, 0.00, 0.11, 0.07
HSL	165°, 75%, 71%
HSV	165°, 46%, 93%
XYZ	50.6716, 69.7335, 71.7511
YIQ	201.0320, -56.8930, -31.7170

Conversions

Conversions Part 2

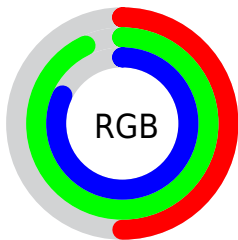
Format	Color
RYB	127, 190, 237
Decimal	8383954
CIELab	86.87, -37.96, 3.31
CIElCh	87, 38.106, 175.011
Yxy	69.7335, 0.2637, 0.3629
Android (android.graphics.Color)	4286574034 (0xFF7FEDD2)
YUV	201.0320, 4.4212, -64.9261
Hunter-Lab	83.5066, -37.8231, 7.5110

Details

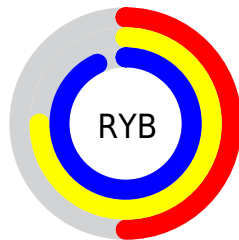
The Yxy color **69.7335, 0.2637, 0.3629** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **35.5282, 0.4071, 0.2991**, and the grayscale version is **58.4342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **36.6413, 0.2517, 0.3713** is the 20% darker color. If you saturate the color by 10%, you get **67.8399, 0.2566, 0.3717**, and if you desaturate by 10%, it is **72.0711, 0.2724, 0.3546**.

Distribution



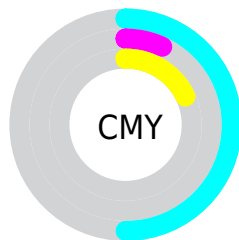
- Red (50%)
- Green (93%)
- Blue (82%)



- Red (50%)
- Yellow (75%)
- Blue (93%)



- Cyan (46%)
- Magenta (0%)
- Yellow (11%)
- Black (7%)





- Cyan (50%)
- Magenta (7%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7335, 0.2637, 0.3629 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 69.7335, 0.2637, 0.3629 by changing the saturation by 10% instead.


 69.7335, 0.2637,
0.3629


 69.7335, 0.2637,
0.3629


459.6137, 0.2866,
0.3469


 51.3093, 0.2584,
0.3666


 118.8286, 0.2717,
0.3573

 36.4548, 0.2519,
0.3713


 150.2683, 0.2748,
0.3551

 24.7857, 0.2436,
0.3773


 186.8154, 0.2774,
0.3533

 15.9174, 0.2328,
0.3852

228.8541, 0.2797,
0.3516

 9.4658, 0.2179,
0.3961

276.7689, 0.2818,
0.3502

 5.0462, 0.1966,
0.4123


330.9441, 0.2835,

 2.2744, 0.1634,


0.3490


0.4383


391.7643, 0.2851,
0.3479


 0.7601, 0.0000,
0.5605


 0.0000, 0.0000,
0.0000


 69.7335, 0.2637,
0.3629


 69.7335, 0.2637,
0.3629


 67.8399, 0.2566,
0.3717


 72.0711, 0.2724,
0.3546


 66.3516, 0.2513,
0.3807


 74.8722, 0.2824,
0.3467


 65.2366, 0.2480,
0.3899

 78.1646, 0.2933,
0.3395


 64.4546, 0.2466,
0.3992

 81.9720, 0.3050,
0.3329


 63.9549, 0.2472,
0.4083

 86.3163, 0.3171,
0.3269

 63.8144, 0.2477,
0.4116

 88.4167, 0.3198,
0.3213

 88.7778, 0.3162,
0.3157

 89.0489, 0.3135,
0.3117

Harmonies

Analogous

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



69.7335, 0.3057, 0.4004



69.7335, 0.2637, 0.3629



69.7335, 0.2359, 0.3166

Triad

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



69.7335, 0.2637, 0.3629



69.7335, 0.2702, 0.2555



69.7335, 0.4056, 0.3694

Complementary

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



69.7335, 0.2637, 0.3629



35.5282, 0.4071, 0.2991

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.



69.7335, 0.3956, 0.3324



69.7335, 0.2637, 0.3629



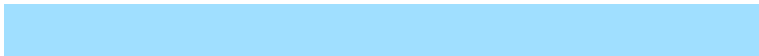
69.7335, 0.3143, 0.2696

Square

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



69.7335, 0.2637, 0.3629



69.7335, 0.2397, 0.2579



69.7335, 0.3612, 0.2970



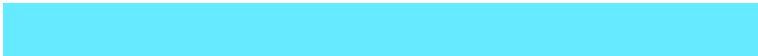
69.7335, 0.3887, 0.3999

Rectangle

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



69.7335, 0.2637, 0.3629



69.7335, 0.2281, 0.2897



69.7335, 0.3612, 0.2970



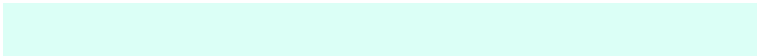
69.7335, 0.4054, 0.3573

Sweetspot

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



69.7363, 0.2637, 0.3629



93.2945, 0.2960, 0.3379



69.0243, 0.3224, 0.4680



19.7712, 0.2935, 0.3394



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.



69.7363, 0.2637, 0.3629



80.1408, 0.2567, 0.3715



56.4812, 0.2446, 0.2942



17.0549, 0.3014, 0.3349



34.8619, 0.2473, 0.4101



2.7525, 0.2437, 0.3974

Inverse Universe

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



35.5282, 0.4071, 0.2991



35.0080, 0.4396, 0.2940



42.8242, 0.4238, 0.3601



15.1147, 0.3254, 0.3232



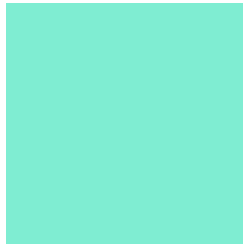
10.0153, 0.5940, 0.3046



0.8013, 0.5551, 0.2831

Previews

White Background



This preview shows how the Yxy color 69.7335, 0.2637, 0.3629 looks on a white background.

Color Contrast Check

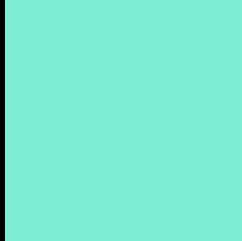
Large Text (above 18pt) WCAG AA × Fail

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 69.7335, 0.2637, 0.3629 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

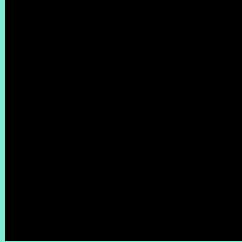
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.7335, 0.2637, 0.3629

Background



This preview shows how black text looks on a background with the Yxy color 69.7335, 0.2637, 0.3629.

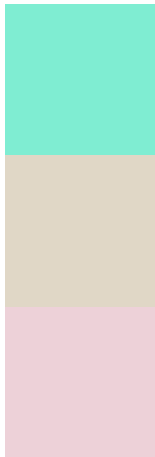


This preview shows how white text looks on a background with the Yxy color 69.7335, 0.2637, 0.3629.

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

69.7335, 0.2637, 0.3629

Protanopia

68.5254, 0.3312, 0.3479

Deuteranopia

68.5633, 0.3289, 0.3216



Tritanopia

69.4572, 0.2485, 0.3065

Trichromacy



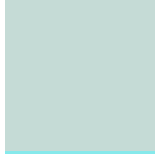
Original Color

69.7335, 0.2637, 0.3629



Protanomaly

67.8584, 0.3026, 0.3538



Deuteranomaly

67.3884, 0.3005, 0.3347



Tritanomaly

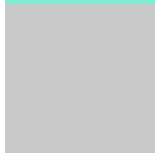
69.3443, 0.2540, 0.3264

Monochromacy



Original Color

69.7335, 0.2637, 0.3629



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.4514, 0.2910, 0.3412

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7335, 0.2637, 0.3629 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(127, 237, 210)` looks like.

```
.text, #text, p{  
    color:rgb(127, 237, 210)  
}
```

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(127, 237, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 237, 210) }
```

Border

The CSS property to change the border of an element to Yxy 69.7335, 0.2637, 0.3629 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(127, 237, 210) }
```

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

```
.border{ border-color:rgb(127, 237, 210) }
```

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

Here you see how a box with a 4 pixel rgb(127, 237, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 237, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 237, 210);  
box-shadow:4px 4px 4px 4px rgb(127, 237,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7335, 0.2637, 0.3629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 237, 210) }
```

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

```
.background{ background-color: rgb(127,  
237, 210) }
```

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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