

# Converting Colors

$Yxy(62.3394, 0.2585, 0.3646)$

Have a look what the booklet for  
Yxy(62.3394, 0.2585, 0.3646)  
contains.

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# Color

**Yxy(62.3595, 0.2586, 0.3649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6DE3C8
RGB	109, 227, 200
RGB Percent	43%, 89%, 78%
CMY	0.5728, 0.1098, 0.2157
CMYK	0.52, 0.00, 0.12, 0.11
HSL	166°, 68%, 66%
HSV	166°, 52%, 89%
XYZ	44.1934, 62.3595, 64.3419
YIQ	188.6400, -61.6610, -33.4130

# Conversions

## Conversions Part 2

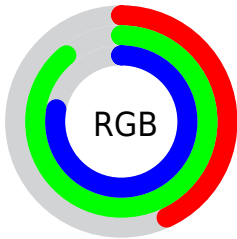
Format	Color
<a href="#">RYB</a>	<a href="#">109, 176, 227</a>
Decimal	<a href="#">7201736</a>
CIELab	<a href="#">83.10, -39.82, 3.04</a>
CIElCh	<a href="#">83, 39.934, 175.638</a>
Yxy	<a href="#">62.3595, 0.2586, 0.3649</a>
Android (android.graphics.Color)	<a href="#">4285391816 (0xFF6DE3C8)</a>
YUV	<a href="#">188.6400, 5.6005, -69.8443</a>
Hunter-Lab	<a href="#">78.9680, -38.2990, 6.9691</a>

# Details

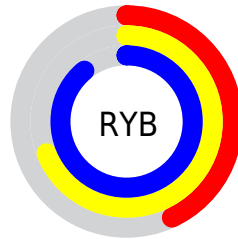
The Yxy color **62.3595, 0.2586, 0.3649** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **29.0329, 0.4274, 0.2984**, and the grayscale version is **50.6579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.0648, 0.2642, 0.3289**, and **31.7366, 0.2453, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **60.8656, 0.2523, 0.3732**, and if you desaturate by 10%, it is **64.2382, 0.2666, 0.3570**.

# Distribution



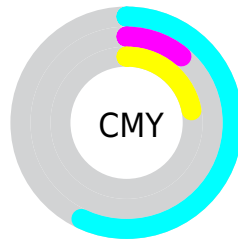
- Red (43%)
- Green (89%)
- Blue (78%)



- Red (43%)
- Yellow (69%)
- Blue (89%)



- Cyan (52%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)




- Cyan (57%)
- Magenta (11%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 62.3595, 0.2586, 0.3649 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 62.3595, 0.2586, 0.3649 by changing the saturation by 10% instead.





 62.3595, 0.2586,  
0.3649


 62.3595, 0.2586,  
0.3649


433.2412, 0.2843,  
0.3476


 45.3232, 0.2526,  
0.3690

 108.2449, 0.2677,  
0.3588

 31.7121, 0.2450,  
0.3742


 137.8629, 0.2711,  
0.3564

 21.1417, 0.2354,  
0.3809


 172.4436, 0.2741,  
0.3544

 13.2276, 0.2225,  
0.3898

212.3714, 0.2767,  
0.3527

 7.5855, 0.2047,  
0.4025

258.0306, 0.2790,  
0.3512

 3.8309, 0.1786,  
0.4216

309.8057, 0.2810,

 1.5794, 0.1192,

0.3499

0.4629

368.0811, 0.2827,  
0.3487

0.3437, 0.0000,  
0.6799

0.0000, 0.0000,  
0.0000

62.3595, 0.2586,  
0.3649

62.3595, 0.2586,  
0.3649

60.8656, 0.2523,  
0.3732

64.2382, 0.2666,  
0.3570

59.7198, 0.2480,  
0.3816


66.5206, 0.2760,  
0.3495

58.8908, 0.2456,  
0.3901


69.2329, 0.2867,  
0.3424


58.3381, 0.2452,  
0.3986

72.3972, 0.2981,  
0.3360


 58.0426, 0.2459,  
0.4054

 76.0339, 0.3102,  
0.3301

 80.1623, 0.3227,  
0.3248

 82.2824, 0.3261,  
0.3198

 82.5894, 0.3227,  
0.3148

 82.9054, 0.3193,  
0.3097

# Harmonies

## Analogous

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



62.3595, 0.3037, 0.4066



62.3595, 0.2586, 0.3649



62.3595, 0.2293, 0.3141

# Triad

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



62.3595, 0.2586, 0.3649



62.3595, 0.2674, 0.2498



62.3595, 0.4136, 0.3729

# Complementary

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



62.3595, 0.2586, 0.3649



29.0329, 0.4274, 0.2984

# 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.



62.3595, 0.4035, 0.3331



62.3595, 0.2586, 0.3649



62.3595, 0.3154, 0.2655

# Square

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



62.3595, 0.2586, 0.3649



62.3595, 0.2343, 0.2518



62.3595, 0.3663, 0.2950



62.3595, 0.3943, 0.4062



# Rectangle

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



62.3595, 0.2586, 0.3649



62.3595, 0.2213, 0.2852



62.3595, 0.3663, 0.2950



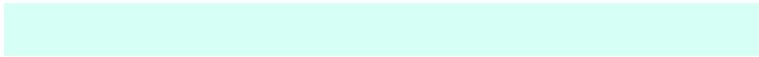
62.3595, 0.4136, 0.3599

# Sweetspot

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



62.3620, 0.2586, 0.3649



92.4793, 0.2934, 0.3386



61.3232, 0.3213, 0.4869



19.6121, 0.2910, 0.3399



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.



62.3620, 0.2586, 0.3649



79.1606, 0.2521, 0.3735



48.0600, 0.2373, 0.2865



16.2770, 0.3012, 0.3344



33.8648, 0.2456, 0.4041



2.5163, 0.2422, 0.3917



# Inverse Universe

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



29.0329, 0.4274, 0.2984



31.4868, 0.4653, 0.2945



36.3156, 0.4417, 0.3656



14.4218, 0.3257, 0.3236



9.6833, 0.5988, 0.3073

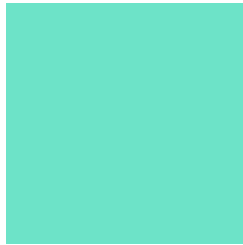


0.7296, 0.5580, 0.2848



# Previews

## White Background



This preview shows how the Yxy color 62.3595, 0.2586, 0.3649 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

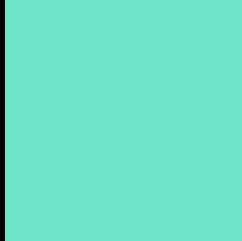
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 62.3595, 0.2586, 0.3649 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

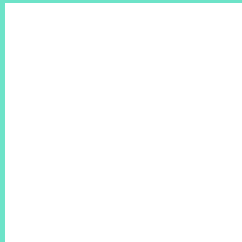
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 62.3595, 0.2586, 0.3649**

## **Background**



This preview shows how black text looks on a background with the Yxy color 62.3595, 0.2586, 0.3649.

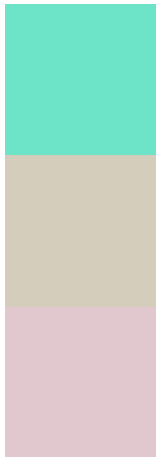


This preview shows how white text looks on a background with the Yxy color 62.3595, 0.2586, 0.3649.

# 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

62.3595, 0.2586, 0.3649

### Protanopia

61.4396, 0.3312, 0.3488

### Deuteranopia

61.3106, 0.3281, 0.3212



## Tritanopia

62.0098, 0.2437, 0.3064

# Trichromacy



## Original Color

62.3595, 0.2586, 0.3649



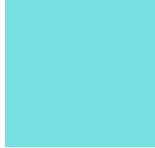
## Protanomaly

60.5082, 0.2993, 0.3552



## Deuteranomaly

60.0278, 0.2971, 0.3350



## Tritanomaly

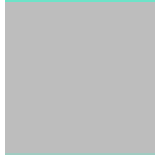
61.9935, 0.2490, 0.3263

# Monochromacy



## Original Color

62.3595, 0.2586, 0.3649



## Achromatopsia

50.8881, 0.3127, 0.3290



## Achromatomaly

54.0357, 0.2878, 0.3420

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 62.3595, 0.2586, 0.3649 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(109, 227, 200)` looks like.

```
.text, #text, p{  
    color:rgb(109, 227, 200)  
}
```

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(109, 227, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 227, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 62.3595, 0.2586, 0.3649 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(109, 227, 200) }
```

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

```
.border{ border-color:rgb(109, 227, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 227, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 227, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 227, 200);  
box-shadow:4px 4px 4px 4px rgb(109, 227,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 62.3595, 0.2586, 0.3649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 227, 200) }
```

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

```
.background{ background-color: rgb(109,  
227, 200) }
```

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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