

Converting Colors

$Yxy(68.2733, 0.2499, 0.3244)$

Have a look what the booklet for
Yxy(68.2733, 0.2499, 0.3244)
contains.

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Color

Yxy(68.2050, 0.2498, 0.3239)

Conversions

Conversions Part 1

Format	Color
Hex	7EE8EC
RGB	126, 232, 236
RGB Percent	49%, 91%, 93%
CMY	0.5060, 0.0902, 0.0744
CMYK	0.47, 0.02, 0.00, 0.07
HSL	182°, 74%, 71%
HSV	182°, 47%, 93%
XYZ	52.6014, 68.2050, 89.7678
YIQ	200.7620, -64.4600, -21.2280

Conversions

Conversions Part 2

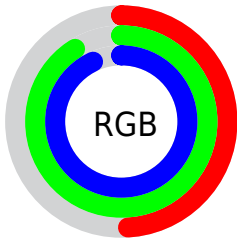
Format	Color
RYB	126, 180, 236
Decimal	8317164
CIELab	86.11, -29.61, -11.49
CIELCh	86, 31.764, 201.198
Yxy	68.2050, 0.2498, 0.3239
Android (android.graphics.Color)	4286507244 (0xFF7EE8EC)
YUV	200.7620, 17.3723, -65.5663
Hunter-Lab	82.5863, -30.8346, -6.6353

Details

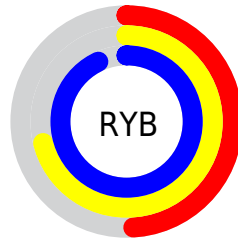
The Yxy color **68.2050, 0.2498, 0.3239** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **35.3093, 0.4382, 0.3339**, and the grayscale version is **58.1735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.0543, 0.2726, 0.3289**, and **35.4359, 0.2353, 0.3222** is the 20% darker color. If you saturate the color by 10%, you get **66.1360, 0.2404, 0.3227**, and if you desaturate by 10%, it is **70.7049, 0.2609, 0.3251**.

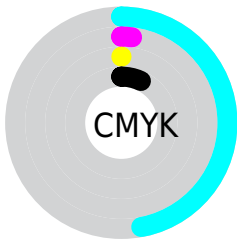
Distribution



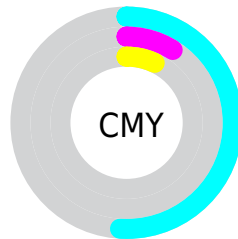
- Red (49%)
- Green (91%)
- Blue (93%)



- Red (49%)
- Yellow (71%)
- Blue (93%)



- Cyan (47%)
- Magenta (2%)
- Yellow (0%)
- Black (7%)





- Cyan (51%)
- Magenta (9%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 68.2050, 0.2498, 0.3239 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 68.2050, 0.2498, 0.3239 by changing the saturation by 10% instead.

 68.2050, 0.2498,
0.3239

 68.2050, 0.2498,
0.3239


454.2220, 0.2786,
0.3270


 50.0645, 0.2433,
0.3230

 116.6454, 0.2597,
0.3251

 35.4647, 0.2353,
0.3218


 147.7140, 0.2636,
0.3255

 24.0210, 0.2254,
0.3202


 183.8609, 0.2670,
0.3259

 15.3492, 0.2125,
0.3178

225.4704, 0.2699,
0.3262

 9.0648, 0.1953,
0.3141

272.9268, 0.2725,
0.3264

 4.7835, 0.1715,
0.3078

326.6146, 0.2748,

 2.1208, 0.1366,

0.3267

0.2960

386.9182, 0.2768,
0.3268

0.6763, 0.0000,
0.2893

0.0000, 0.0000,
0.0000

68.2050, 0.2498,
0.3239

68.2050, 0.2498,
0.3239

66.1360, 0.2404,
0.3227

70.7049, 0.2609,
0.3251

64.4597, 0.2330,
0.3214


73.6550, 0.2736,
0.3263


63.1445, 0.2275,
0.3202


77.0829, 0.2875,
0.3273


62.1503, 0.2239,
0.3190


81.0118, 0.3024,
0.3284

 61.4265, 0.2219,
0.3178

 85.4634, 0.3180,
0.3293

 61.2153, 0.2215,
0.3174

 87.9900, 0.3254,
0.3302

 88.4911, 0.3253,
0.3310

 88.9947, 0.3252,
0.3319

 89.5007, 0.3252,
0.3327

Harmonies

Analogous

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



68.2050, 0.2756, 0.3620



68.2050, 0.2498, 0.3239



68.2050, 0.2403, 0.2904

Triad

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



68.2050, 0.2498, 0.3239



68.2050, 0.3093, 0.2761



68.2050, 0.3798, 0.3866

Complementary

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



68.2050, 0.2498, 0.3239



35.3093, 0.4382, 0.3339

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.



68.2050, 0.3909, 0.3602



68.2050, 0.2498, 0.3239



68.2050, 0.3488, 0.2985

Square

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



68.2050, 0.2498, 0.3239



68.2050, 0.2729, 0.2658



68.2050, 0.3795, 0.3284



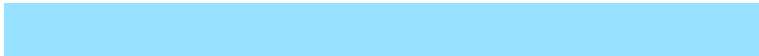
68.2050, 0.3506, 0.3993

Rectangle

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



68.2050, 0.2498, 0.3239



68.2050, 0.2438, 0.2752



68.2050, 0.3795, 0.3284



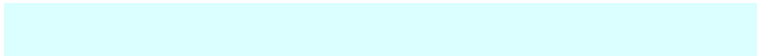
68.2050, 0.3859, 0.3789

Sweetspot

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



68.2076, 0.2498, 0.3239



93.0171, 0.2913, 0.3276



66.0423, 0.3040, 0.4712



19.7022, 0.2881, 0.3274



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.



68.2076, 0.2498, 0.3239



78.9135, 0.2408, 0.3227



42.0690, 0.2367, 0.2519



17.0219, 0.2981, 0.3281



33.7783, 0.2216, 0.3176



2.6820, 0.2220, 0.3192

Inverse Universe

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



38.5809, 0.3217, 0.2192



39.7810, 0.3236, 0.2003



53.9040, 0.4069, 0.3942



15.3037, 0.3144, 0.3066



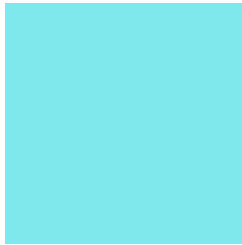
12.9028, 0.3302, 0.1593



1.0162, 0.3289, 0.1585

Previews

White Background



This preview shows how the Yxy color 68.2050, 0.2498, 0.3239 looks on a white background.

Color Contrast Check

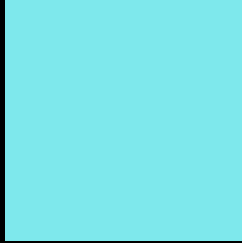
Large Text (above 18pt) WCAG AA × Fail

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 68.2050, 0.2498, 0.3239 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 68.2050, 0.2498, 0.3239

Background



This preview shows how black text looks on a background with the Yxy color 68.2050, 0.2498, 0.3239.

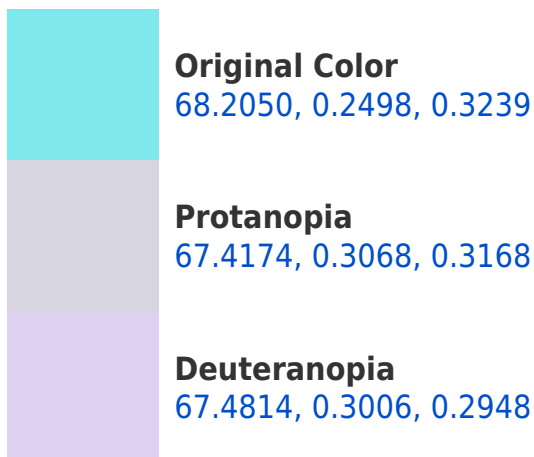


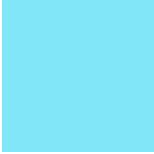
This preview shows how white text looks on a background with the Yxy color 68.2050, 0.2498, 0.3239.

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

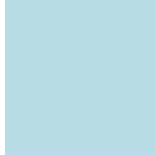
68.1790, 0.2452, 0.3062

Trichromacy



Original Color

68.2050, 0.2498, 0.3239



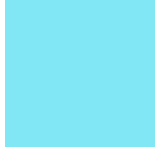
Protanomaly

66.8551, 0.2827, 0.3196



Deuteranomaly

66.4225, 0.2786, 0.3039



Tritanomaly

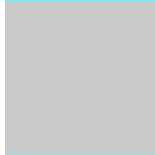
68.3506, 0.2472, 0.3132

Monochromacy



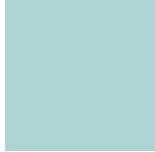
Original Color

68.2050, 0.2498, 0.3239



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.9407, 0.2847, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.2050, 0.2498, 0.3239 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(126, 232, 236)` looks like.

```
.text, #text, p{  
    color:rgb(126, 232, 236)  
}
```

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(126, 232, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 232, 236) }
```

Border

The CSS property to change the border of an element to Yxy 68.2050, 0.2498, 0.3239 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(126, 232, 236) }
```

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

```
.border{ border-color:rgb(126, 232, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 232, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 232, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 232, 236);  
box-shadow:4px 4px 4px 4px rgb(126, 232,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 68.2050, 0.2498, 0.3239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 232, 236) }
```

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

```
.background{ background-color: rgb(126,  
232, 236) }
```

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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