

Converting Colors

$Yxy(69.9466, 0.2803, 0.3466)$

Have a look what the booklet for
Yxy(69.9466, 0.2803, 0.3466)
contains.

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Color

Yxy(70.2167, 0.2801, 0.3468)

Conversions

Conversions Part 1

Format	Color
Hex	A6E7D8
RGB	166, 231, 216
RGB Percent	65%, 91%, 85%
CMY	0.3487, 0.0942, 0.1529
CMYK	0.28, 0.00, 0.06, 0.09
HSL	166°, 57%, 78%
HSV	166°, 28%, 91%
XYZ	56.7119, 70.2167, 75.5417
YIQ	209.8550, -33.9250, -18.4450

Conversions

Conversions Part 2

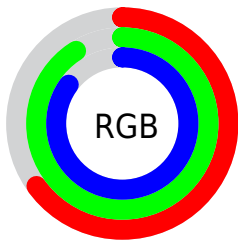
Format	Color
RYB	166, 203, 231
Decimal	10938328
CIELab	87.10, -23.47, 0.71
CIELCh	87, 23.485, 178.268
Yxy	70.2167, 0.2801, 0.3468
Android (android.graphics.Color)	4289128408 (0xFFA6E7D8)
YUV	209.8550, 3.0295, -38.4608
Hunter-Lab	83.7954, -25.8349, 5.2068

Details

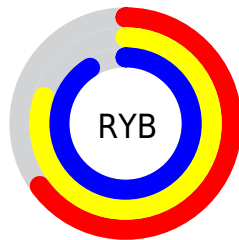
The Yxy color **70.2167, 0.2801, 0.3468** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6304, 0.3600, 0.3121**, and the grayscale version is **64.3589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.2696, 0.2929, 0.3289**, and **36.6779, 0.2724, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **67.6706, 0.2702, 0.3542**, and if you desaturate by 10%, it is **73.2259, 0.2911, 0.3399**.

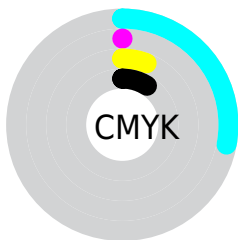
Distribution



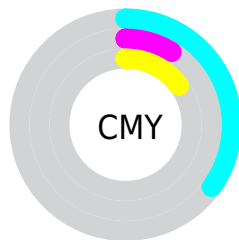
- Red (65%)
- Green (91%)
- Blue (85%)



- Red (65%)
- Yellow (80%)
- Blue (91%)



- Cyan (28%)
- Magenta (0%)
- Yellow (6%)
- Black (9%)





- Cyan (35%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2167, 0.2801, 0.3468 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 70.2167, 0.2801, 0.3468 by changing the saturation by 10% instead.


 70.2167, 0.2801,
0.3468

 70.2167, 0.2801,
0.3468


461.3105, 0.2953,
0.3385

 51.7032, 0.2766,
0.3487


 119.5177, 0.2854,
0.3439

 36.7686, 0.2723,
0.3511


 151.0741, 0.2874,
0.3428

 25.0284, 0.2668,
0.3541


187.7468, 0.2892,
0.3418

 16.0982, 0.2596,
0.3581

229.9204, 0.2907,
0.3410

 9.5937, 0.2498,
0.3635

277.9791, 0.2921,
0.3403

 5.1304, 0.2355,
0.3715

332.3075, 0.2933,

 2.3240, 0.2129,

0.3396

0.3842

393.2898, 0.2943,
0.3390

0.7864, 0.0987,
0.4450

0.0000, 0.0000,
0.0000

70.2167, 0.2801,
0.3468

70.2167, 0.2801,
0.3468

67.6706, 0.2702,
0.3542

73.2259, 0.2911,
0.3399

65.5548, 0.2616,
0.3620

76.7118, 0.3028,
0.3337

63.8460, 0.2546,
0.3703

80.6981, 0.3151,
0.3280

62.5148, 0.2495,
0.3787

84.5376, 0.3251,
0.3228

■ 61.5281, 0.2464,
0.3873

■ 84.8542, 0.3217,
0.3176

■ 60.8469, 0.2453,
0.3959

■ 85.1802, 0.3182,
0.3125

■ 60.4161, 0.2459,
0.4044

■ 85.5156, 0.3149,
0.3074

■ 60.3468, 0.2461,
0.4061

■ 85.6240, 0.3138,
0.3058

Harmonies

Analogous

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



70.2167, 0.3061, 0.3697



70.2167, 0.2801, 0.3468



70.2167, 0.2632, 0.3195

Triad

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



70.2167, 0.2801, 0.3468



70.2167, 0.2893, 0.2826



70.2167, 0.3694, 0.3580

Complementary

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



70.2167, 0.2801, 0.3468



47.6304, 0.3600, 0.3121

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.



70.2167, 0.3648, 0.3348



70.2167, 0.2801, 0.3468



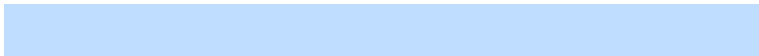
70.2167, 0.3174, 0.2927

Square

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



70.2167, 0.2801, 0.3468



70.2167, 0.2683, 0.2836



70.2167, 0.3454, 0.3114



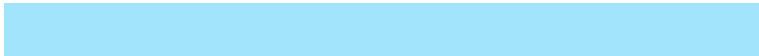
70.2167, 0.3581, 0.3750

Rectangle

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



70.2167, 0.2801, 0.3468



70.2167, 0.2589, 0.3033



70.2167, 0.3454, 0.3114



70.2167, 0.3697, 0.3507

Sweetspot

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



70.2196, 0.2801, 0.3468



96.0348, 0.3029, 0.3336



69.7523, 0.3191, 0.4078



20.4056, 0.3011, 0.3345



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.



70.2196, 0.2801, 0.3468



85.8762, 0.2739, 0.3512



61.8170, 0.2698, 0.3081



16.2765, 0.3012, 0.3345



33.8558, 0.2458, 0.4047



2.5157, 0.2423, 0.3922

Inverse Universe

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



47.6304, 0.3600, 0.3121



53.0198, 0.3744, 0.3082



53.7735, 0.3689, 0.3489



14.4222, 0.3256, 0.3236



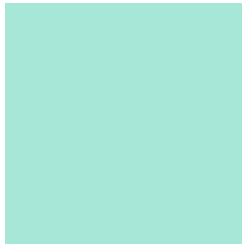
9.6855, 0.5983, 0.3070



0.7298, 0.5574, 0.2844

Previews

White Background



This preview shows how the Yxy color 70.2167, 0.2801, 0.3468 looks on a white background.

Color Contrast Check

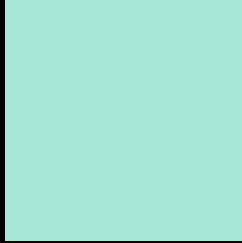
Large Text (above 18pt) WCAG AA × Fail

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 70.2167, 0.2801, 0.3468 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

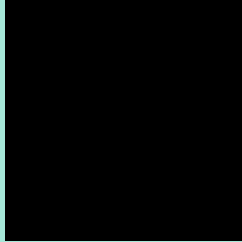
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

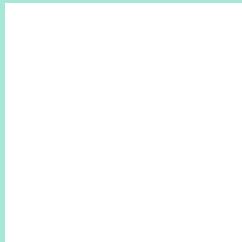
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.2167, 0.2801, 0.3468

Background



This preview shows how black text looks on a background with the Yxy color 70.2167, 0.2801, 0.3468.

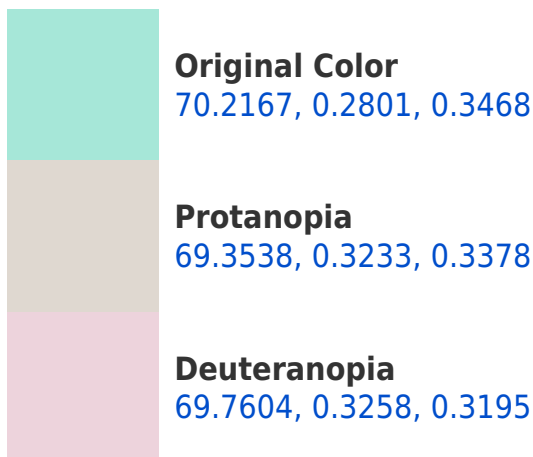


This preview shows how white text looks on a background with the Yxy color 70.2167, 0.2801, 0.3468.

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

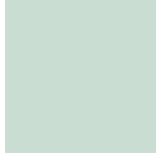
70.3014, 0.2674, 0.3083

Trichromacy



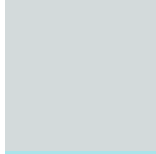
Original Color

70.2167, 0.2801, 0.3468



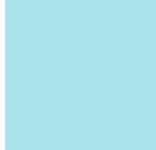
Protanomaly

68.9726, 0.3059, 0.3404



Deuteranomaly

69.1062, 0.3071, 0.3279



Tritanomaly

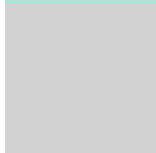
69.9734, 0.2722, 0.3219

Monochromacy



Original Color

70.2167, 0.2801, 0.3468



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.3656, 0.2997, 0.3360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2167, 0.2801, 0.3468 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(166, 231, 216)` looks like.

```
.text, #text, p{  
    color:rgb(166, 231, 216)  
}
```

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(166, 231, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 231, 216) }
```

Border

The CSS property to change the border of an element to Yxy 70.2167, 0.2801, 0.3468 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(166, 231, 216) }
```

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

```
.border{ border-color:rgb(166, 231, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 231, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 231, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 231, 216);  
box-shadow:4px 4px 4px 4px rgb(166, 231,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2167, 0.2801, 0.3468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 231, 216) }
```

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

```
.background{ background-color: rgb(166,  
231, 216) }
```

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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