

Converting Colors

$Yxy(68.0723, 0.2701, 0.3158)$

Have a look what the booklet for
Yxy(68.0723, 0.2701, 0.3158)
contains.

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Color

Yxy(68.3416, 0.2702, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	A9E1EC
RGB	169, 225, 236
RGB Percent	66%, 88%, 93%
CMY	0.3371, 0.1177, 0.0744
CMYK	0.28, 0.05, 0.00, 0.07
HSL	190°, 64%, 79%
HSV	190°, 28%, 93%
XYZ	58.4364, 68.3416, 89.4929
YIQ	209.5100, -36.9070, -8.4510

Conversions

Conversions Part 2

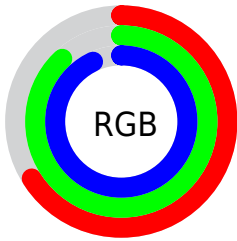
Format	Color
R _Y B	169, 200, 236
Decimal	11133420
CIE Lab	86.18, -15.26, -11.18
CIE LCh	86, 18.914, 216.222
Yxy	68.3416, 0.2702, 0.3160
Android (android.graphics.Color)	4289323500 (0xFFA9E1EC)
YUV	209.5100, 13.0596, -35.5273
Hunter-Lab	82.6690, -18.4940, -6.3158

Details

The Yxy color **68.3416, 0.2702, 0.3160** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **53.3766, 0.3718, 0.3416**, and the grayscale version is **64.0487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9088, 0.2952, 0.3289**, and **35.6896, 0.2607, 0.3134** is the 20% darker color. If you saturate the color by 10%, you get **63.8857, 0.2567, 0.3107**, and if you desaturate by 10%, it is **73.3222, 0.2847, 0.3209**.

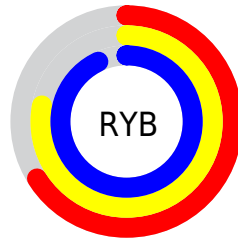
Distribution



Red (66%)

Green (88%)

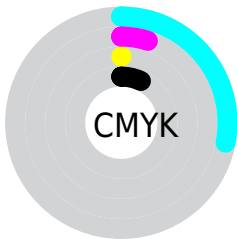
Blue (93%)



Red (66%)

Yellow (78%)

Blue (93%)

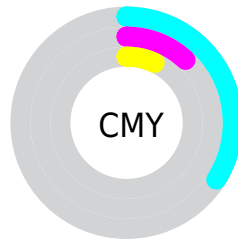


Cyan (28%)

Magenta (5%)

Yellow (0%)

Black (7%)



Cyan (34%)


Magenta (12%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.3416, 0.2702, 0.3160 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 68.3416, 0.2702, 0.3160 by changing the saturation by 10% instead.


 68.3416, 0.2702,
0.3160

 68.3416, 0.2702,
0.3160


454.7054, 0.2898,
0.3224

 50.1757, 0.2657,
0.3144

 116.8407, 0.2770,
0.3183

 35.5530, 0.2602,
0.3125


147.9427, 0.2796,
0.3192

 24.0892, 0.2533,
0.3099


184.1255, 0.2819,
0.3199

 15.3998, 0.2443,
0.3064

225.7734, 0.2839,
0.3205

 9.1004, 0.2321,
0.3015

273.2710, 0.2856,
0.3211

 4.8068, 0.2147,
0.2939

327.0026, 0.2872,

 2.1343, 0.1883,

0.3216

0.2810

387.3526, 0.2886,
0.3220

0.6838, 0.1066,
0.2627

0.0000, 0.0000,
0.0000

68.3416, 0.2702,
0.3160

68.3416, 0.2702,
0.3160

63.8857, 0.2567,
0.3107

73.3222, 0.2847,
0.3209

59.9204, 0.2445,
0.3052

78.8429, 0.2998,
0.3255

56.4206, 0.2339,
0.2994

84.9287, 0.3152,
0.3296

53.3550, 0.2251,
0.2935

89.9630, 0.3251,
0.3334

■ 50.6883, 0.2182,
0.2875

■ 92.2844, 0.3247,
0.3372

■ 48.3786, 0.2133,
0.2816

■ 94.6553, 0.3244,
0.3410

■ 46.3664, 0.2101,
0.2757

■ 97.0758, 0.3240,
0.3447

■ 46.0558, 0.2097,
0.2748

■ 98.8381, 0.3238,
0.3473

Harmonies

Analogous

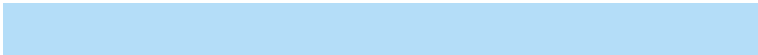
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.3416, 0.2816, 0.3377



68.3416, 0.2702, 0.3160



68.3416, 0.2697, 0.2990

Triad

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



68.3416, 0.2702, 0.3160



68.3416, 0.3230, 0.3027



68.3416, 0.3454, 0.3685

Complementary

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



68.3416, 0.2702, 0.3160



53.3766, 0.3718, 0.3416

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.



68.3416, 0.3575, 0.3573



68.3416, 0.2702, 0.3160



68.3416, 0.3444, 0.3196

Square

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



68.3416, 0.2702, 0.3160



68.3416, 0.2995, 0.2923



68.3416, 0.3572, 0.3393



68.3416, 0.3247, 0.3691

Rectangle

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



68.3416, 0.2702, 0.3160



68.3416, 0.2756, 0.2924



68.3416, 0.3572, 0.3393



68.3416, 0.3507, 0.3658

Sweetspot

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



68.3443, 0.2702, 0.3160



93.5152, 0.2988, 0.3252



71.7073, 0.3031, 0.3986



19.8028, 0.2965, 0.3246



0.0000, 0.0000, 0.0000



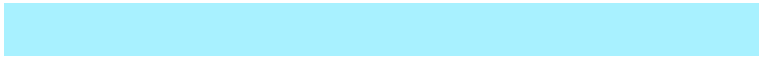
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



68.3443, 0.2702, 0.3160



78.3197, 0.2623, 0.3130



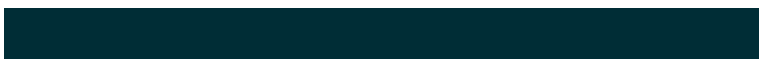
52.4090, 0.2660, 0.2762



16.6747, 0.2981, 0.3250



25.5420, 0.2099, 0.2757



2.1181, 0.2122, 0.2839

Inverse Universe

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



51.6631, 0.3250, 0.2691



55.7100, 0.3280, 0.2569



68.0839, 0.3621, 0.3766



15.2687, 0.3163, 0.3095



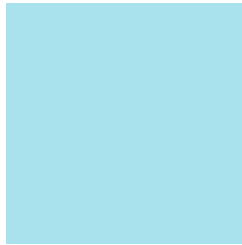
12.0713, 0.3674, 0.1798



0.9592, 0.3599, 0.1756

Previews

White Background



This preview shows how the Yxy color 68.3416, 0.2702, 0.3160 looks on a white background.

Color Contrast Check

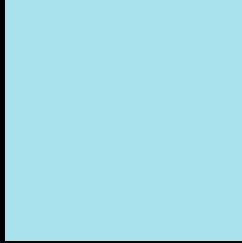
Large Text (above 18pt) WCAG AA × Fail

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 68.3416, 0.2702, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

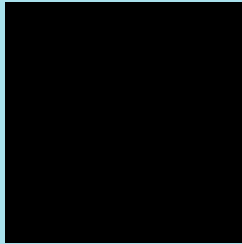
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 68.3416, 0.2702, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 68.3416, 0.2702, 0.3160.

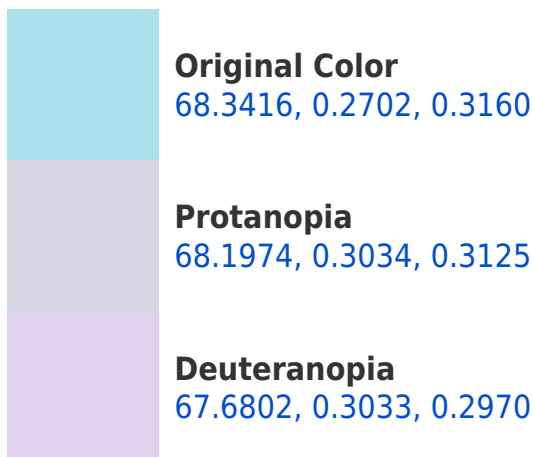


This preview shows how white text looks on a background with the Yxy color 68.3416, 0.2702, 0.3160.

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

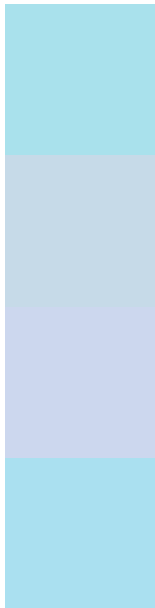




Tritanopia

68.2682, 0.2674, 0.3081

Trichromacy



Original Color

68.3416, 0.2702, 0.3160

Protanomaly

67.9748, 0.2899, 0.3132

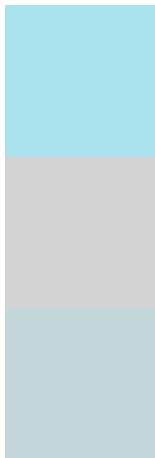
Deuteranomaly

67.6113, 0.2901, 0.3035

Tritanomaly

68.1486, 0.2685, 0.3103

Monochromacy



Original Color

68.3416, 0.2702, 0.3160

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

65.3175, 0.2959, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.3416, 0.2702, 0.3160 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(169, 225, 236)` looks like.

```
.text, #text, p{  
    color:rgb(169, 225, 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(169, 225, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 225, 236) }
```

Border

The CSS property to change the border of an element to Yxy 68.3416, 0.2702, 0.3160 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(169, 225, 236) }
```

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

```
.border{ border-color:rgb(169, 225, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 225, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 225, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 225, 236);  
box-shadow:4px 4px 4px 4px rgb(169, 225,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 68.3416, 0.2702, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 225, 236) }
```

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

```
.background{ background-color: rgb(169,  
225, 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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