

Converting Colors

$Yxy(70.6199, 0.2826, 0.3403)$

Have a look what the booklet for
Yxy(70.6199, 0.2826, 0.3403)
contains.

Yxy(70.7596, 0.2825, 0.3407)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(70.7596, 0.2825, 0.3407)

Conversions

Conversions Part 1

Format	Color
Hex	AEE6DC
RGB	174, 230, 220
RGB Percent	68%, 90%, 86%
CMY	0.3175, 0.0980, 0.1374
CMYK	0.24, 0.00, 0.04, 0.10
HSL	169°, 53%, 79%
HSV	169°, 24%, 90%
XYZ	58.6721, 70.7596, 78.2572
YIQ	212.1160, -30.1660, -14.9820

Conversions

Conversions Part 2

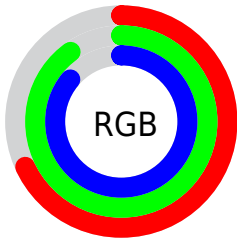
Format	Color
RYB	174, 205, 230
Decimal	11462364
CIELab	87.37, -19.82, -0.93
CIELCh	87, 19.844, 182.685
Yxy	70.7596, 0.2825, 0.3407
Android (android.graphics.Color)	4289652444 (0xFFAEE6DC)
YUV	212.1160, 3.8868, -33.4277
Hunter-Lab	84.1187, -22.7055, 3.7246

Details

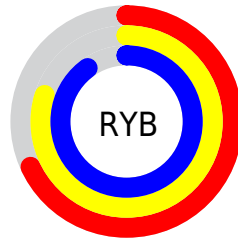
The Yxy color **70.7596, 0.2825, 0.3407** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **50.5694, 0.3546, 0.3177**, and the grayscale version is **65.9122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5630, 0.2976, 0.3290**, and **36.9818, 0.2752, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **68.1270, 0.2716, 0.3462**, and if you desaturate by 10%, it is **73.8557, 0.2944, 0.3356**.

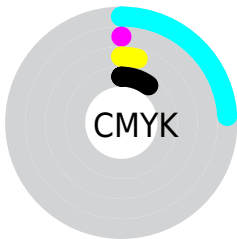
Distribution



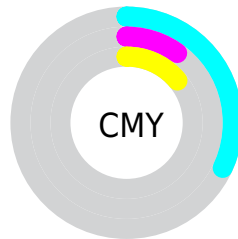
- Red (68%)
- Green (90%)
- Blue (86%)



- Red (68%)
- Yellow (80%)
- Blue (90%)



- Cyan (24%)
- Magenta (0%)
- Yellow (4%)
- Black (10%)





- Cyan (32%)
- Magenta (10%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 70.7596, 0.2825, 0.3407 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 70.7596, 0.2825, 0.3407 by changing the saturation by 10% instead.


 70.7596, 0.2825,
0.3407

 70.7596, 0.2825,
0.3407


463.2126, 0.2965,
0.3353

 52.1460, 0.2793,
0.3419


 120.2914, 0.2874,
0.3388

 37.1215, 0.2753,
0.3434


151.9783, 0.2893,
0.3381

 25.3016, 0.2703,
0.3453


188.7919, 0.2909,
0.3375

 16.3019, 0.2637,
0.3478

231.1165, 0.2923,
0.3369

 9.7380, 0.2547,
0.3512

279.3365, 0.2935,
0.3365

 5.2256, 0.2417,
0.3560

333.8362, 0.2946,

 2.3802, 0.2214,

0.3360

395.0001, 0.2956,
0.3357

0.3634

0.8157, 0.1414,
0.3959

0.0000, 0.0000,
0.0000

70.7596, 0.2825,
0.3407

70.7596, 0.2825,
0.3407

68.1270, 0.2716,
0.3462

73.8557, 0.2944,
0.3356

65.9260, 0.2620,
0.3521

77.4281, 0.3071,
0.3309


64.1346, 0.2540,
0.3583


81.4997, 0.3202,
0.3267


62.7251, 0.2478,
0.3647


83.9372, 0.3258,
0.3227

 61.6662, 0.2435,
0.3711


 84.1801, 0.3231,
0.3187


 60.9218, 0.2412,
0.3777


 84.4286, 0.3204,
0.3147

 60.4478, 0.2407,
0.3841

 84.6827, 0.3178,
0.3107

 60.2600, 0.2410,
0.3878

 84.9424, 0.3152,
0.3068

 85.0746, 0.3138,
0.3048

Harmonies

Analogous

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



70.7596, 0.3037, 0.3607



70.7596, 0.2825, 0.3407



70.7596, 0.2695, 0.3180

Triad

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



70.7596, 0.2825, 0.3407



70.7596, 0.2963, 0.2903



70.7596, 0.3599, 0.3563

Complementary

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



70.7596, 0.2825, 0.3407



50.5694, 0.3546, 0.3177

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.



70.7596, 0.3579, 0.3372



70.7596, 0.2825, 0.3407



70.7596, 0.3205, 0.3001

Square

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



70.7596, 0.2825, 0.3407



70.7596, 0.2772, 0.2898



70.7596, 0.3433, 0.3170



70.7596, 0.3487, 0.3691

Rectangle

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



70.7596, 0.2825, 0.3407



70.7596, 0.2669, 0.3049



70.7596, 0.3433, 0.3170



70.7596, 0.3607, 0.3504

Sweetspot

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



70.7625, 0.2825, 0.3407



96.5661, 0.3036, 0.3321



69.8779, 0.3164, 0.3964



20.6089, 0.3028, 0.3324



0.0000, 0.0000, 0.0000



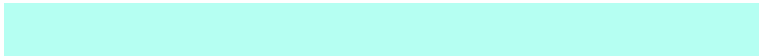
21.4041, 0.3127, 0.3290

Same Dimension

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



70.7625, 0.2825, 0.3407



87.7458, 0.2771, 0.3433



61.9407, 0.2751, 0.3079



16.2898, 0.3005, 0.3332



34.1318, 0.2408, 0.3867



2.5338, 0.2381, 0.3773

Inverse Universe

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



50.5694, 0.3546, 0.3177



58.2365, 0.3657, 0.3153



57.4714, 0.3589, 0.3492



14.4099, 0.3264, 0.3248



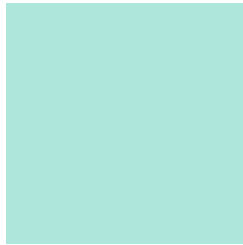
9.6284, 0.6123, 0.3147



0.7238, 0.5738, 0.2935

Previews

White Background



This preview shows how the Yxy color 70.7596, 0.2825, 0.3407 looks on a white background.

Color Contrast Check

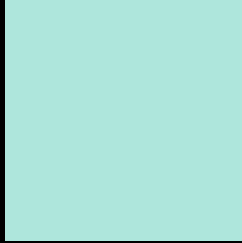
Large Text (above 18pt) WCAG AA × Fail

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 70.7596, 0.2825, 0.3407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

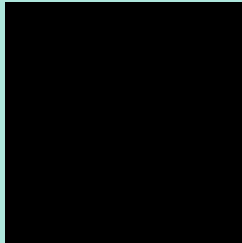
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

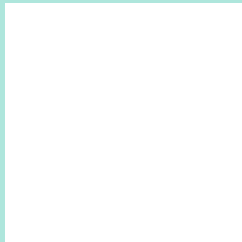
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 70.7596, 0.2825, 0.3407

Background



This preview shows how black text looks on a background with the Yxy color 70.7596, 0.2825, 0.3407.

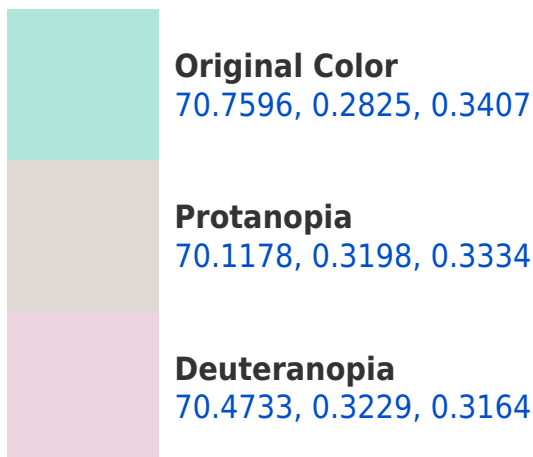


This preview shows how white text looks on a background with the Yxy color 70.7596, 0.2825, 0.3407.

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

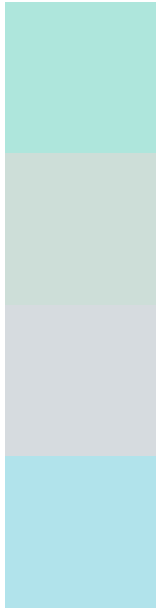




Tritanopia

70.5081, 0.2718, 0.3085

Trichromacy



Original Color

70.7596, 0.2825, 0.3407

Protanomaly

70.1796, 0.3047, 0.3357

Deuteranomaly

70.2869, 0.3065, 0.3246

Tritanomaly

70.2834, 0.2756, 0.3197

Monochromacy



Original Color

70.7596, 0.2825, 0.3407

Achromatopsia

65.8375, 0.3127, 0.3290

Achromatomaly

67.5751, 0.3005, 0.3336

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.7596, 0.2825, 0.3407 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(174, 230, 220)` looks like.

```
.text, #text, p{  
    color:rgb(174, 230, 220)  
}
```

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(174, 230, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 230, 220) }
```

Border

The CSS property to change the border of an element to Yxy 70.7596, 0.2825, 0.3407 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(174, 230, 220) }
```

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

```
.border{ border-color:rgb(174, 230, 220) }
```

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

Here you see how a box with a 4 pixel rgb(174, 230, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 230, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 230, 220);  
box-shadow:4px 4px 4px 4px rgb(174, 230,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 70.7596, 0.2825, 0.3407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 230, 220) }
```

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

```
.background{ background-color: rgb(174,  
230, 220) }
```

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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