

Converting Colors

$Yxy(70.7464, 0.3284, 0.3888)$

Have a look what the booklet for
Yxy(70.7464, 0.3284, 0.3888)
contains.

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Color

Yxy(70.6293, 0.3281, 0.3884)

Conversions

Conversions Part 1

Format	Color
Hex	CAE3B0
RGB	202, 227, 176
RGB Percent	79%, 89%, 69%
CMY	0.2078, 0.1098, 0.3099
CMYK	0.11, 0.00, 0.22, 0.11
HSL	89°, 48%, 79%
HSV	89°, 22%, 89%
XYZ	59.6639, 70.6293, 51.5536
YIQ	213.7110, 1.4710, -21.1610

Conversions

Conversions Part 2

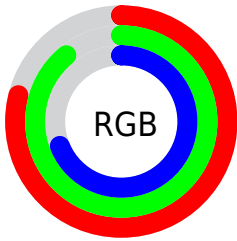
Format	Color
RYB	176, 227, 201
Decimal	13296560
CIELab	87.30, -17.16, 22.23
CIELCh	87, 28.084, 127.671
Yxy	70.6293, 0.3281, 0.3884
Android (android.graphics.Color)	4291486640 (0xFFCAE3B0)
YUV	213.7110, -18.5915, -10.2705
Hunter-Lab	84.0412, -20.3485, 22.4585

Details

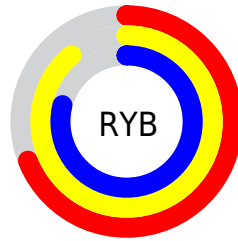
The Yxy color **70.6293, 0.3281, 0.3884** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.0048, 0.2941, 0.2696**, and the grayscale version is **67.1696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **37.2310, 0.3316, 0.4043** is the 20% darker color. If you saturate the color by 10%, you get **68.3120, 0.3344, 0.4176**, and if you desaturate by 10%, it is **73.2148, 0.3213, 0.3607**.

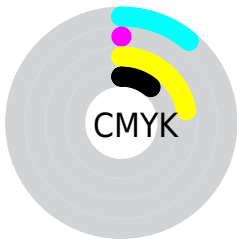
Distribution



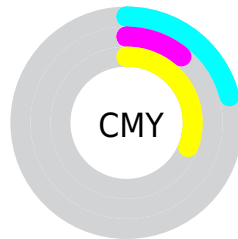
- Red (79%)
- Green (89%)
- Blue (69%)



- Red (69%)
- Yellow (89%)
- Blue (79%)



- Cyan (11%)
- Magenta (0%)
- Yellow (22%)
- Black (11%)





- Cyan (21%)
- Magenta (11%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6293, 0.3281, 0.3884 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 70.6293, 0.3281, 0.3884 by changing the saturation by 10% instead.

 70.6293, 0.3281,
0.3884

 70.6293, 0.3281,
0.3884


462.7565, 0.3214,
0.3600

 52.0397, 0.3295,
0.3951


 120.1057, 0.3259,
0.3783

 37.0367, 0.3311,
0.4035


151.7614, 0.3250,
0.3745

 25.2359, 0.3331,
0.4144


188.5412, 0.3242,
0.3712

 16.2529, 0.3354,
0.4288

230.8296, 0.3235,
0.3683

 9.7033, 0.3381,
0.4489

279.0109, 0.3229,
0.3658

 5.2027, 0.3407,
0.4787

333.4696, 0.3224,

 2.3667, 0.3463,

0.3636

394.5900, 0.3219,
0.3617

0.5338

0.8087, 0.3019,
0.6981

0.0000, 0.0000,
0.0000

70.6293, 0.3281,
0.3884

70.6293, 0.3281,
0.3884

68.3120, 0.3344,
0.4176

73.2148, 0.3213,
0.3607

66.2438, 0.3399,
0.4476

76.0684, 0.3144,
0.3350

64.4173, 0.3441,
0.4771

79.2020, 0.3076,
0.3115

62.8211, 0.3466,
0.5049

81.8413, 0.3082,
0.3014

■ 61.4426, 0.3470,
0.5293

■ 83.4199, 0.3140,
0.3019

■ 60.2675, 0.3451,
0.5490

■ 59.2793, 0.3411,
0.5631

■ 58.6402, 0.3371,
0.5705

Harmonies

Analogous

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



70.6293, 0.3591, 0.3875



70.6293, 0.3281, 0.3884



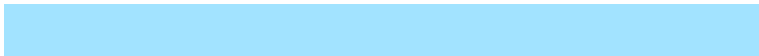
70.6293, 0.2941, 0.3706

Triad

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



70.6293, 0.3281, 0.3884



70.6293, 0.2509, 0.2839



70.6293, 0.3606, 0.3163

Complementary

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



70.6293, 0.3281, 0.3884



49.0048, 0.2941, 0.2696

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.



70.6293, 0.3291, 0.2921



70.6293, 0.3281, 0.3884



70.6293, 0.2665, 0.2734

Square

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



70.6293, 0.3281, 0.3884



70.6293, 0.2508, 0.3077



70.6293, 0.2946, 0.2767



70.6293, 0.3789, 0.3444

Rectangle

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



70.6293, 0.3281, 0.3884



70.6293, 0.2743, 0.3509



70.6293, 0.2946, 0.2767



70.6293, 0.3511, 0.3075

Sweetspot

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



70.6324, 0.3281, 0.3884



97.2825, 0.3176, 0.3465



61.0727, 0.3526, 0.3570



20.7741, 0.3180, 0.3481



0.0000, 0.0000, 0.0000



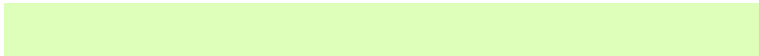
21.4041, 0.3127, 0.3290

Same Dimension

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



70.6324, 0.3281, 0.3884



90.4872, 0.3311, 0.4020



67.4016, 0.3103, 0.3917



16.4488, 0.3193, 0.3527



34.2678, 0.3382, 0.5697



2.5875, 0.3491, 0.5610

Inverse Universe

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



49.0048, 0.2941, 0.2696



57.5969, 0.2894, 0.2560



52.7844, 0.3146, 0.2731



14.2319, 0.3057, 0.3053



5.2815, 0.2006, 0.0879



0.4454, 0.2165, 0.0967

Previews

White Background



This preview shows how the Yxy color 70.6293, 0.3281, 0.3884 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 70.6293, 0.3281, 0.3884 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

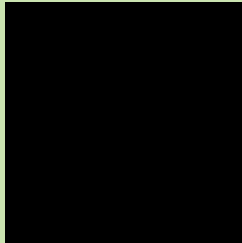
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 70.6293, 0.3281, 0.3884

Background



This preview shows how black text looks on a background with the Yxy color 70.6293, 0.3281, 0.3884.

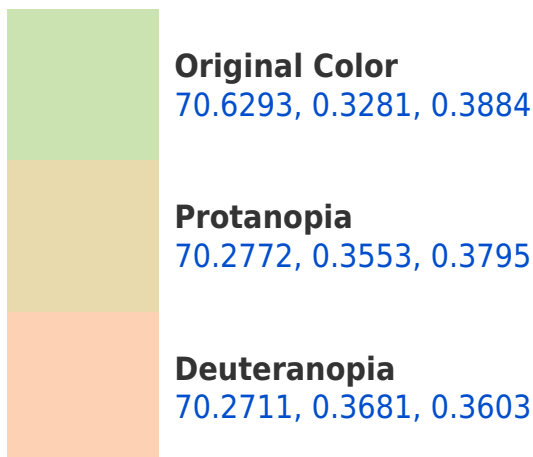


This preview shows how white text looks on a background with the Yxy color 70.6293, 0.3281, 0.3884.

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

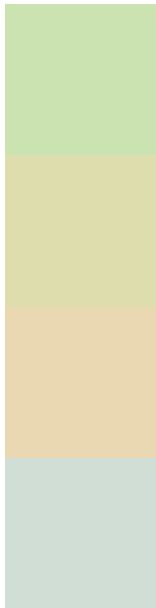




Tritanopia

70.5680, 0.2962, 0.3104

Trichromacy



Original Color

70.6293, 0.3281, 0.3884

Protanomaly

70.1022, 0.3454, 0.3830

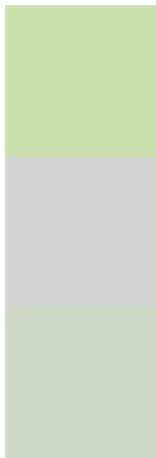
Deuteranomaly

69.8588, 0.3523, 0.3694

Tritanomaly

70.5075, 0.3081, 0.3380

Monochromacy



Original Color

70.6293, 0.3281, 0.3884

Achromatopsia

67.2443, 0.3127, 0.3290

Achromatomaly

68.5348, 0.3189, 0.3506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6293, 0.3281, 0.3884 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(202, 227, 176)` looks like.

```
.text, #text, p{  
    color:rgb(202, 227, 176)  
}
```

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(202, 227, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 227, 176) }
```

Border

The CSS property to change the border of an element to Yxy 70.6293, 0.3281, 0.3884 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(202, 227, 176) }
```

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

```
.border{ border-color:rgb(202, 227, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 227, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(202, 227, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(202, 227, 176); box-shadow:4px 4px 4px 4px rgb(202, 227, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6293, 0.3281, 0.3884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 227, 176) }
```

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

```
.background{ background-color: rgb(202,  
227, 176) }
```

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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