

Converting Colors

Yxy(66.8124, 0.3181, 0.4037)

Have a look what the booklet for
Yxy(66.8124, 0.3181, 0.4037)
contains.

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Color

Yxy(66.7296, 0.3181, 0.4030)

Conversions

Conversions Part 1

Format	Color
Hex	B3E2A6
RGB	179, 226, 166
RGB Percent	70%, 89%, 65%
CMY	0.2980, 0.1137, 0.3490
CMYK	0.21, 0.00, 0.27, 0.11
HSL	107°, 51%, 77%
HSV	107°, 27%, 89%
XYZ	52.6717, 66.7296, 46.1809
YIQ	205.1070, -8.7520, -28.6240

Conversions

Conversions Part 2

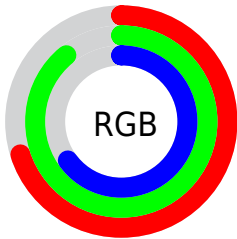
Format	Color
RYB	166, 226, 213
Decimal	11788966
CIELab	85.37, -26.24, 24.50
CIELCh	85, 35.899, 136.955
Yxy	66.7296, 0.3181, 0.4030
Android (android.graphics.Color)	4289979046 (0xFFB3E2A6)
YUV	205.1070, -19.2798, -22.8958
Hunter-Lab	81.6882, -27.8594, 23.6633

Details

The Yxy color **66.7296, 0.3181, 0.4030** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.9098, 0.3047, 0.2609**, and the grayscale version is **61.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4026, 0.3198, 0.3635**, and **34.3243, 0.3179, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **63.9990, 0.3194, 0.4355**, and if you desaturate by 10%, it is **69.8824, 0.3163, 0.3728**.

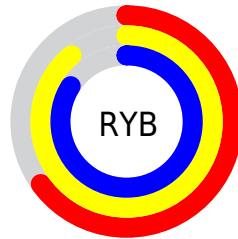
Distribution



Red (70%)

Green (89%)

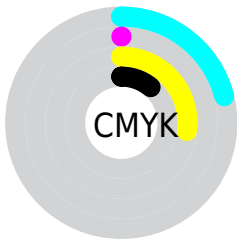
Blue (65%)



Red (65%)

Yellow (89%)

Blue (84%)

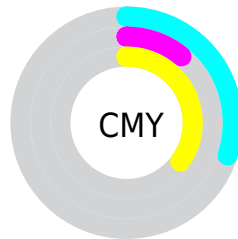


Cyan (21%)

Magenta (0%)

Yellow (27%)

Black (11%)



Cyan (30%)


Magenta (11%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.7296, 0.3181, 0.4030 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 66.7296, 0.3181, 0.4030 by changing the saturation by 10% instead.


 66.7296, 0.3181,
0.4030

 66.7296, 0.3181,
0.4030


448.9817, 0.3164,
0.3668

 48.8649, 0.3183,
0.4118


 114.5329, 0.3177,
0.3900

 34.5123, 0.3183,
0.4229


 145.2402, 0.3175,
0.3851

 23.2875, 0.3181,
0.4373


180.9973, 0.3173,
0.3809

 14.8059, 0.3174,
0.4569

222.1884, 0.3171,
0.3773

 8.6833, 0.3156,
0.4847

269.1980, 0.3169,
0.3742

 4.5352, 0.3107,
0.5270


322.4105, 0.3167,

 1.9772, 0.3173,

0.3714

0.6378


382.2103, 0.3165,
0.3690


 0.5942, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 66.7296, 0.3181,
0.4030


 66.7296, 0.3181,
0.4030


 63.9990, 0.3194,
0.4355


 69.8824, 0.3163,
0.3728


 61.6641, 0.3201,
0.4691

 73.4656, 0.3142,
0.3454

 59.7086, 0.3198,
0.5024

 77.4979, 0.3119,
0.3209

 58.1118, 0.3184,
0.5333

 81.9034, 0.3105,
0.3006

■ 56.8505, 0.3160,
0.5595

■ 82.8740, 0.3140,
0.3009

■ 55.8990, 0.3126,
0.5791

■ 55.2265, 0.3085,
0.5912

■ 55.0470, 0.3073,
0.5942

Harmonies

Analogous

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



66.7296, 0.3609, 0.4084



66.7296, 0.3181, 0.4030



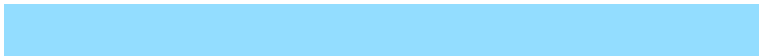
66.7296, 0.2757, 0.3725

Triad

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



66.7296, 0.3181, 0.4030



66.7296, 0.2377, 0.2645



66.7296, 0.3851, 0.3229

Complementary

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



66.7296, 0.3181, 0.4030



46.9098, 0.3047, 0.2609

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.



66.7296, 0.3476, 0.2903



66.7296, 0.3181, 0.4030



66.7296, 0.2626, 0.2574

Square

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



66.7296, 0.3181, 0.4030



66.7296, 0.2313, 0.2894



66.7296, 0.3022, 0.2669



66.7296, 0.4016, 0.3587

Rectangle

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



66.7296, 0.3181, 0.4030



66.7296, 0.2532, 0.3438



66.7296, 0.3022, 0.2669



66.7296, 0.3744, 0.3113

Sweetspot

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



66.7325, 0.3181, 0.4030



95.8498, 0.3145, 0.3493



66.0107, 0.3564, 0.3808



20.3579, 0.3148, 0.3533



0.0000, 0.0000, 0.0000



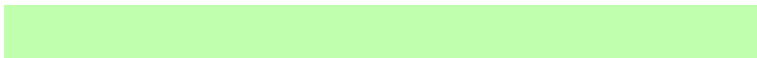
21.4041, 0.3127, 0.3290

Same Dimension

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



66.7325, 0.3181, 0.4030



85.6410, 0.3189, 0.4212



65.8789, 0.2995, 0.3841



15.4798, 0.3148, 0.3530



31.4460, 0.3081, 0.5936



2.2187, 0.3184, 0.5854

Inverse Universe

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



46.9098, 0.3047, 0.2609



55.3183, 0.3025, 0.2457



48.0960, 0.3293, 0.2796



13.7779, 0.3103, 0.3057



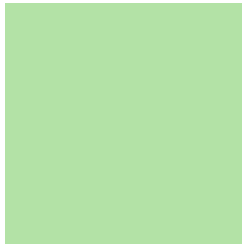
8.5189, 0.2667, 0.1243



0.6282, 0.2755, 0.1291

Previews

White Background



This preview shows how the Yxy color 66.7296, 0.3181, 0.4030 looks on a white background.

Color Contrast Check

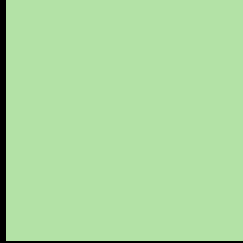
Large Text (above 18pt) WCAG AA × Fail

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 66.7296, 0.3181, 0.4030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

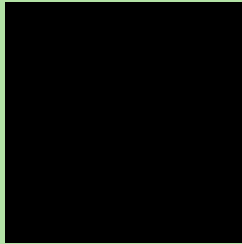
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.7296, 0.3181, 0.4030

Background



This preview shows how black text looks on a background with the Yxy color 66.7296, 0.3181, 0.4030.

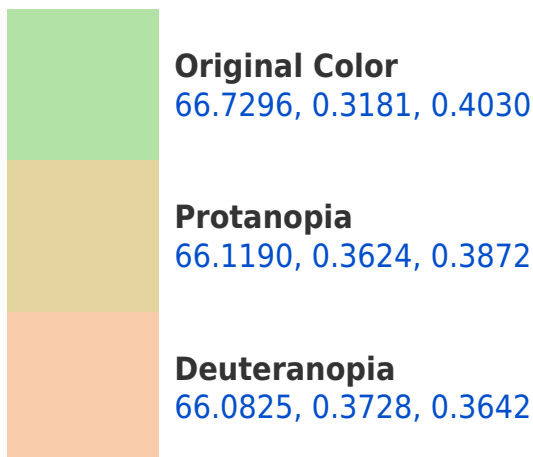


This preview shows how white text looks on a background with the Yxy color 66.7296, 0.3181, 0.4030.

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

66.5134, 0.2834, 0.3095

Trichromacy



Original Color

66.7296, 0.3181, 0.4030



Protanomaly

65.9360, 0.3453, 0.3932



Deuteranomaly

65.6395, 0.3518, 0.3778



Tritanomaly

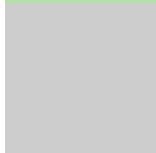
66.2290, 0.2961, 0.3420

Monochromacy



Original Color

66.7296, 0.3181, 0.4030



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.0859, 0.3152, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.7296, 0.3181, 0.4030 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(179, 226, 166)` looks like.

```
.text, #text, p{  
    color:rgb(179, 226, 166)  
}
```

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(179, 226, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 226, 166) }
```

Border

The CSS property to change the border of an element to Yxy 66.7296, 0.3181, 0.4030 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(179, 226, 166) }
```

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

```
.border{ border-color:rgb(179, 226, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 226, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(179, 226, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(179, 226, 166); box-shadow:4px 4px 4px 4px rgb(179, 226, 166) }
```


Background

The CSS property to change the background color of an element to Yxy 66.7296, 0.3181, 0.4030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 226, 166) }
```

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

```
.background{ background-color: rgb(179,  
226, 166) }
```

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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