

Converting Colors

Yxy(64.6796, 0.3504, 0.4108)

Have a look what the booklet for
Yxy(64.6796, 0.3504, 0.4108)
contains.

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Color

Yxy(64.6012, 0.3502, 0.4108)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | CCD994 |
| RGB | 204, 217, 148 |
| RGB Percent | 80%, 85%, 58% |
| CMY | 0.1998, 0.1491, 0.4196 |
| CMYK | 0.06, 0.00, 0.32, 0.15 |
| HSL | 71°, 48%, 72% |
| HSV | 71°, 32%, 85% |
| XYZ | 55.0714, 64.6012, 37.5844 |
| YIQ | 205.2470, 14.4010, -24.2150 |

Conversions

Conversions Part 2

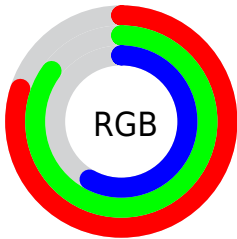
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 148, 217, 161 |
| Decimal | 13425044 |
| CIELab | 84.28, -15.40, 32.60 |
| CIELCh | 84, 36.049, 115.281 |
| Yxy | 64.6012, 0.3502, 0.4108 |
| Android (android.graphics.Color) | 4291615124 (0xFFCCD994) |
| YUV | 205.2470, -28.2228, -1.0936 |
| Hunter-Lab | 80.3749, -18.3510, 28.5376 |

Details

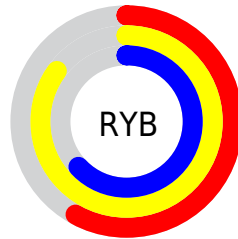
The Yxy color **64.6012, 0.3502, 0.4108** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **33.7609, 0.2667, 0.2382**, and the grayscale version is **61.3989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0918, 0.3436, 0.3800**, and **33.0748, 0.3585, 0.4323** is the 20% darker color. If you saturate the color by 10%, you get **63.4125, 0.3611, 0.4369**, and if you desaturate by 10%, it is **65.9395, 0.3385, 0.3843**.

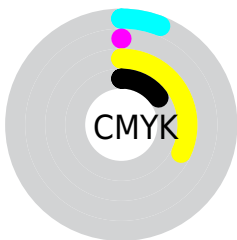
Distribution



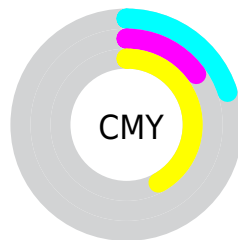
- Red (80%)
- Green (85%)
- Blue (58%)



- Red (58%)
- Yellow (85%)
- Blue (63%)



- Cyan (6%)
- Magenta (0%)
- Yellow (32%)
- Black (15%)



- Cyan (20%)
- Magenta (15%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.6012, 0.3502, 0.4108 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 64.6012, 0.3502, 0.4108 by changing the saturation by 10% instead.

 64.6012, 0.3502,
0.4108

 64.6012, 0.3502,
0.4108


441.3575, 0.3334,
0.3713

 47.1378, 0.3538,
0.4202


 111.4763, 0.3445,
0.3968

 33.1446, 0.3581,
0.4318


 141.6568, 0.3423,
0.3914

 22.2372, 0.3632,
0.4468


176.8451, 0.3403,
0.3869

 14.0313, 0.3692,
0.4666

217.4256, 0.3386,
0.3829

 8.1425, 0.3760,
0.4935

263.7827, 0.3371,
0.3794

 4.1862, 0.3839,
0.5336


316.3007, 0.3357,

 1.7783, 0.3948,

0.3764

0.6052


375.3642, 0.3345,
0.3737


 0.4736, 0.1356,
0.8644


 0.0000, 0.0000,
0.0000


 64.6012, 0.3502,
0.4108

 64.6012, 0.3502,
0.4108


 63.4125, 0.3611,
0.4369


 65.9395, 0.3385,
0.3843

 62.3573, 0.3707,
0.4616


 67.4256, 0.3266,
0.3583


 61.4307, 0.3785,
0.4838


 69.0685, 0.3148,
0.3333


 60.6235, 0.3841,
0.5024


 70.8742, 0.3034,
0.3099

 59.9255, 0.3870,
0.5167

 72.7515, 0.2934,
0.2896


 59.3245, 0.3874,
0.5264

 73.4108, 0.2962,
0.2899

 58.8865, 0.3862,
0.5316

 74.0859, 0.2989,
0.2902

 74.7767, 0.3017,
0.2905

 75.4835, 0.3045,
0.2909

Harmonies

Analogous

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



64.6012, 0.3863, 0.3982



64.6012, 0.3502, 0.4108



64.6012, 0.3056, 0.3979

Triad

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



64.6012, 0.3502, 0.4108



64.6012, 0.2300, 0.2800



64.6012, 0.3601, 0.2982

Complementary

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



64.6012, 0.3502, 0.4108



33.7609, 0.2667, 0.2382

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.



64.6012, 0.3148, 0.2714



64.6012, 0.3502, 0.4108



64.6012, 0.2419, 0.2598

Square

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



64.6012, 0.3502, 0.4108



64.6012, 0.2379, 0.3167



64.6012, 0.2718, 0.2575



64.6012, 0.3934, 0.3328

Rectangle

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



64.6012, 0.3502, 0.4108



64.6012, 0.2773, 0.3755



64.6012, 0.2718, 0.2575



64.6012, 0.3456, 0.2881

Sweetspot

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



64.6041, 0.3502, 0.4108



97.5696, 0.3246, 0.3540



42.2565, 0.3804, 0.3446



20.8148, 0.3263, 0.3576



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.



64.6041, 0.3502, 0.4108



91.9677, 0.3575, 0.4280



60.2881, 0.3239, 0.4181



15.1341, 0.3238, 0.3523



35.6938, 0.3867, 0.5312



2.3450, 0.3923, 0.5267

Inverse Universe

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



33.7609, 0.2667, 0.2382



40.9692, 0.2551, 0.2165



37.8117, 0.2965, 0.2455



12.7341, 0.3010, 0.3050



3.3480, 0.1591, 0.0650



0.2520, 0.1740, 0.0732

Previews

White Background



This preview shows how the Yxy color 64.6012, 0.3502, 0.4108 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 64.6012, 0.3502, 0.4108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

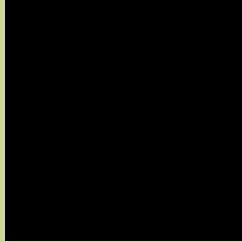
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

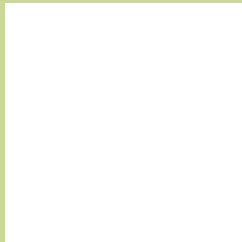
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.6012, 0.3502, 0.4108

Background



This preview shows how black text looks on a background with the Yxy color 64.6012, 0.3502, 0.4108.



This preview shows how white text looks on a background with the Yxy color 64.6012, 0.3502, 0.4108.

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



Original Color

64.6012, 0.3502, 0.4108

Protanopia

64.4684, 0.3731, 0.4020

Deuteranopia

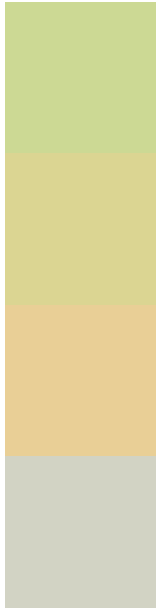
64.1474, 0.3904, 0.3821



Tritanopia

64.3036, 0.3062, 0.3101

Trichromacy



Original Color

64.6012, 0.3502, 0.4108

Protanomaly

64.7239, 0.3648, 0.4057

Deuteranomaly

64.1513, 0.3755, 0.3922

Tritanomaly

64.2757, 0.3224, 0.3463

Monochromacy



Original Color

64.6012, 0.3502, 0.4108

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.0408, 0.3273, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.6012, 0.3502, 0.4108 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(204, 217, 148)` looks like.

```
.text, #text, p{  
    color:rgb(204, 217, 148)  
}
```

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(204, 217, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 217, 148) }
```

Border

The CSS property to change the border of an element to Yxy 64.6012, 0.3502, 0.4108 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(204, 217, 148) }
```

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

```
.border{ border-color:rgb(204, 217, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 217, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 217, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 217, 148);  
box-shadow:4px 4px 4px 4px rgb(204, 217,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 64.6012, 0.3502, 0.4108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 217, 148) }
```

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

```
.background{ background-color: rgb(204,  
217, 148) }
```

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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