

Converting Colors

Yxy(50.6472, 0.3170, 0.3876)

Have a look what the booklet for
Yxy(50.6472, 0.3170, 0.3876)
contains.

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Color

Yxy(50.6472, 0.3170, 0.3876)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A4C69B |
| RGB | 164, 198, 155 |
| RGB Percent | 64%, 78%, 61% |
| CMY | 0.3568, 0.2235, 0.3922 |
| CMYK | 0.17, 0.00, 0.22, 0.22 |
| HSL | 107°, 27%, 69% |
| HSV | 107°, 22%, 78% |
| XYZ | 41.4220, 50.6472, 38.5995 |
| YIQ | 182.9320, -6.4610, -20.5810 |

Conversions

Conversions Part 2

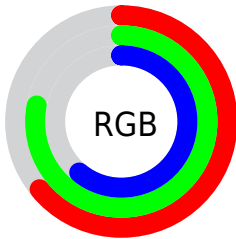
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 155, 198, 189 |
| Decimal | 10798747 |
| CIELab | 76.46, -19.47, 17.87 |
| CIELCh | 76, 26.432, 137.451 |
| Yxy | 50.6472, 0.3170, 0.3876 |
| Android (android.graphics.Color) | 4288988827 (0xFFA4C69B) |
| YUV | 182.9320, -13.7705, -16.6034 |
| Hunter-Lab | 71.1668, -20.6477, 17.6590 |

Details

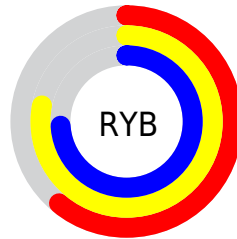
The Yxy color **50.6472, 0.3170, 0.3876** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.3341, 0.3068, 0.2742**, and the grayscale version is **47.3963, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2332, 0.3161, 0.3764**, and **24.3907, 0.3174, 0.4042** is the 20% darker color. If you saturate the color by 10%, you get **48.4739, 0.3185, 0.4188**, and if you desaturate by 10%, it is **53.1387, 0.3151, 0.3589**.

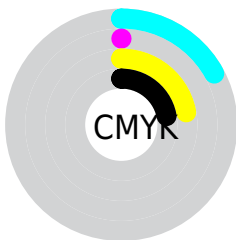
Distribution



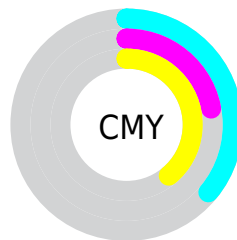
- Red (64%)
- Green (78%)
- Blue (61%)



- Red (61%)
- Yellow (78%)
- Blue (74%)



- Cyan (17%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (36%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.6472, 0.3170, 0.3876 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 50.6472, 0.3170, 0.3876 by changing the saturation by 10% instead.


 50.6472, 0.3170,
0.3876

 50.6472, 0.3170,
0.3876


389.1915, 0.3154,
0.3578

 35.9279, 0.3172,
0.3952


 91.1331, 0.3165,
0.3766

 24.3785, 0.3174,
0.4051


 117.6684, 0.3163,
0.3726

 15.6146, 0.3174,
0.4183


148.9113, 0.3161,
0.3691

 9.2519, 0.3171,
0.4371

185.2460, 0.3160,
0.3662

 4.9058, 0.3157,
0.4654

227.0570, 0.3158,
0.3636

 2.1921, 0.3123,
0.5150

274.7286, 0.3157,

 0.7157, 0.2226,

0.3614


0.7774


328.6454, 0.3155,
0.3595

 0.0000, 0.0000,
0.0000


 50.6472, 0.3170,
0.3876


 50.6472, 0.3170,
0.3876


 48.4739, 0.3185,
0.4188


 53.1387, 0.3151,
0.3589

 46.5997, 0.3194,
0.4518


 55.9539, 0.3131,
0.3331


 45.0131, 0.3195,
0.4854

 59.1064, 0.3109,
0.3103

 43.6993, 0.3187,
0.5176

 62.6068, 0.3088,
0.2901

 42.6424, 0.3168,
0.5464

 66.4656, 0.3066,
0.2725

■ 41.8246, 0.3140,
0.5697

■ 68.8689, 0.3153,
0.2732

■ 41.2253, 0.3103,
0.5858

■ 40.8714, 0.3072,
0.5943

Harmonies

Analogous

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



50.6472, 0.3517, 0.3930



50.6472, 0.3170, 0.3876



50.6472, 0.2825, 0.3633

Triad

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



50.6472, 0.3170, 0.3876



50.6472, 0.2515, 0.2764



50.6472, 0.3713, 0.3250

Complementary

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



50.6472, 0.3170, 0.3876



38.3341, 0.3068, 0.2742

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.



50.6472, 0.3416, 0.2978



50.6472, 0.3170, 0.3876



50.6472, 0.2725, 0.2703

Square

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



50.6472, 0.3170, 0.3876



50.6472, 0.2460, 0.2970



50.6472, 0.3051, 0.2782



50.6472, 0.3844, 0.3545

Rectangle

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



50.6472, 0.3170, 0.3876



50.6472, 0.2640, 0.3406



50.6472, 0.3051, 0.2782



50.6472, 0.3629, 0.3154

Sweetspot

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



50.6494, 0.3170, 0.3876



96.3254, 0.3142, 0.3467



50.6314, 0.3474, 0.3716



20.5528, 0.3143, 0.3483



0.0000, 0.0000, 0.0000



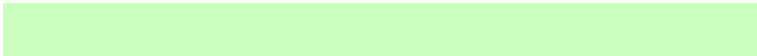
21.4041, 0.3127, 0.3290

Same Dimension

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



50.6494, 0.3170, 0.3876



87.8226, 0.3177, 0.4019



50.1535, 0.3014, 0.3714



11.9933, 0.3147, 0.3527



26.6095, 0.3079, 0.5937



1.2920, 0.3224, 0.5822

Inverse Universe

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



38.3341, 0.3068, 0.2742



62.2033, 0.3052, 0.2619



38.9839, 0.3263, 0.2901



10.7000, 0.3105, 0.3060



7.3160, 0.2688, 0.1254



0.3754, 0.2802, 0.1317

Previews

White Background



This preview shows how the Yxy color 50.6472, 0.3170, 0.3876 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 50.6472, 0.3170, 0.3876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

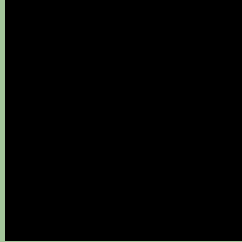
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.6472, 0.3170, 0.3876

Background



This preview shows how black text looks on a background with the Yxy color 50.6472, 0.3170, 0.3876.

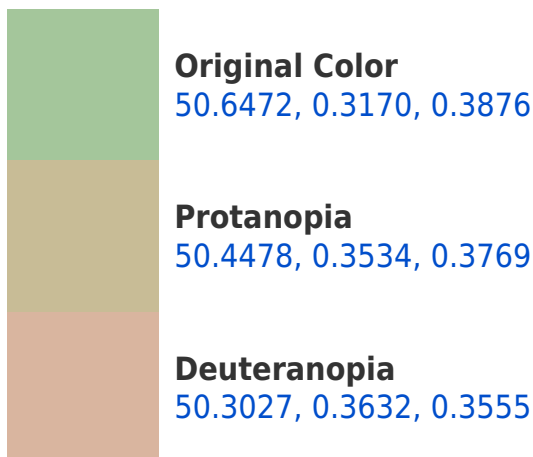


This preview shows how white text looks on a background with the Yxy color 50.6472, 0.3170, 0.3876.

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

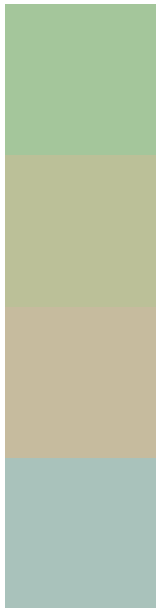




Tritanopia

50.4885, 0.2871, 0.3098

Trichromacy



Original Color

50.6472, 0.3170, 0.3876

Protanomaly

50.5311, 0.3394, 0.3810

Deuteranomaly

50.0150, 0.3454, 0.3657

Tritanomaly

50.6064, 0.2982, 0.3381

Monochromacy



Original Color

50.6472, 0.3170, 0.3876

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.2137, 0.3143, 0.3489

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.6472, 0.3170, 0.3876 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(164, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(164, 198, 155)  
}
```

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(164, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 198, 155) }
```

Border

The CSS property to change the border of an element to Yxy 50.6472, 0.3170, 0.3876 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(164, 198, 155) }
```

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

```
.border{ border-color:rgb(164, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(164, 198,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 50.6472, 0.3170, 0.3876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 198, 155) }
```

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

```
.background{ background-color: rgb(164,  
198, 155) }
```

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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