

Converting Colors

$Yxy(49.8872, 0.3184, 0.3917)$

Have a look what the booklet for
Yxy(49.8872, 0.3184, 0.3917)
contains.

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Color

Yxy(49.8483, 0.3184, 0.3923)

Conversions

Conversions Part 1

Format	Color
Hex	A2C597
RGB	162, 197, 151
RGB Percent	64%, 77%, 59%
CMY	0.3645, 0.2275, 0.4079
CMYK	0.18, 0.00, 0.23, 0.23
HSL	106°, 28%, 68%
HSV	106°, 23%, 77%
XYZ	40.4581, 49.8483, 36.7604
YIQ	181.2910, -6.0940, -21.7260

Conversions

Conversions Part 2

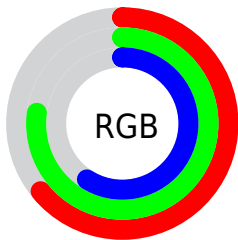
Format	Color
RYB	151, 197, 186
Decimal	10667415
CIELab	75.98, -20.33, 19.32
CIELCh	76, 28.043, 136.464
Yxy	49.8483, 0.3184, 0.3923
Android (android.graphics.Color)	4288857495 (0xFFA2C597)
YUV	181.2910, -14.9335, -16.9182
Hunter-Lab	70.6033, -21.2694, 18.5523

Details

The Yxy color **49.8483, 0.3184, 0.3923** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **36.5905, 0.3050, 0.2697**, and the grayscale version is **46.4636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0431, 0.3177, 0.3811**, and **23.8800, 0.3192, 0.4109** is the 20% darker color. If you saturate the color by 10%, you get **47.7874, 0.3203, 0.4236**, and if you desaturate by 10%, it is **52.2069, 0.3161, 0.3634**.

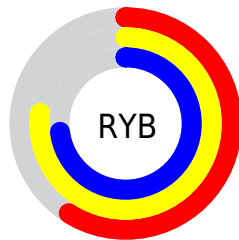
Distribution



Red (64%)

Green (77%)

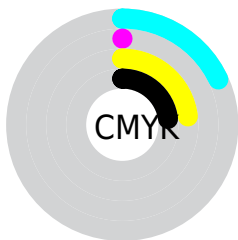
Blue (59%)



Red (59%)

Yellow (77%)

Blue (73%)

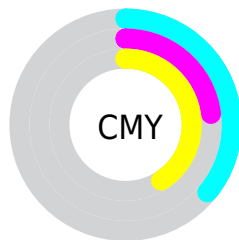


Cyan (18%)

Magenta (0%)

Yellow (23%)

Black (23%)



Cyan (36%)


Magenta (23%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8483, 0.3184, 0.3923 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 49.8483, 0.3184, 0.3923 by changing the saturation by 10% instead.


 49.8483, 0.3184,
0.3923

 49.8483, 0.3184,
0.3923


386.0724, 0.3162,
0.3599

 35.2929, 0.3187,
0.4006


 89.9501, 0.3177,
0.3804

 23.8886, 0.3190,
0.4113


 116.2652, 0.3175,
0.3759

 15.2510, 0.3192,
0.4259


147.2690, 0.3172,
0.3722

 8.9957, 0.3190,
0.4464

183.3460, 0.3170,
0.3690

 4.7384, 0.3175,
0.4776

224.8804, 0.3167,
0.3663

 2.0946, 0.3160,
0.5366

272.2566, 0.3165,

 0.6616, 0.1669,

0.3639

0.8331

325.8592, 0.3164,
0.3618

0.0000, 0.0000,
0.0000

49.8483, 0.3184,
0.3923

49.8483, 0.3184,
0.3923

47.7874, 0.3203,
0.4236

52.2069, 0.3161,
0.3634

46.0060, 0.3215,
0.4565

54.8680, 0.3136,
0.3372

44.4937, 0.3218,
0.4895

57.8442, 0.3110,
0.3138

43.2366, 0.3211,
0.5210

61.1456, 0.3083,
0.2932

42.2198, 0.3191,
0.5488

64.7817, 0.3058,
0.2750

■ 41.4268, 0.3160,
0.5709

■ 67.8143, 0.3130,
0.2718

■ 40.8383, 0.3119,
0.5859

■ 68.4105, 0.3154,
0.2722

■ 40.5432, 0.3092,
0.5927

Harmonies

Analogous

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



49.8483, 0.3552, 0.3971



49.8483, 0.3184, 0.3923



49.8483, 0.2815, 0.3667

Triad

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



49.8483, 0.3184, 0.3923



49.8483, 0.2472, 0.2735



49.8483, 0.3745, 0.3236

Complementary

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



49.8483, 0.3184, 0.3923



36.5905, 0.3050, 0.2697

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.



49.8483, 0.3423, 0.2950



49.8483, 0.3184, 0.3923



49.8483, 0.2690, 0.2666

Square

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



49.8483, 0.3184, 0.3923



49.8483, 0.2419, 0.2957



49.8483, 0.3033, 0.2746



49.8483, 0.3891, 0.3549

Rectangle

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



49.8483, 0.3184, 0.3923



49.8483, 0.2617, 0.3426



49.8483, 0.3033, 0.2746



49.8483, 0.3653, 0.3134

Sweetspot

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



49.8504, 0.3184, 0.3923



96.4216, 0.3146, 0.3467



49.0081, 0.3506, 0.3730



20.5750, 0.3147, 0.3482



0.0000, 0.0000, 0.0000



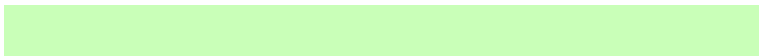
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8504, 0.3184, 0.3923



87.3486, 0.3194, 0.4079



49.1344, 0.3017, 0.3772



12.0089, 0.3151, 0.3526



26.7013, 0.3100, 0.5921



1.2990, 0.3255, 0.5798

Inverse Universe

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



36.5905, 0.3050, 0.2697



59.4840, 0.3028, 0.2562



37.5218, 0.3260, 0.2852



10.6832, 0.3100, 0.3060



6.9344, 0.2613, 0.1213



0.3602, 0.2743, 0.1285

Previews

White Background



This preview shows how the Yxy color 49.8483, 0.3184, 0.3923 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 49.8483, 0.3184, 0.3923 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 49.8483, 0.3184, 0.3923

Background



This preview shows how black text looks on a background with the Yxy color 49.8483, 0.3184, 0.3923.



This preview shows how white text looks on a background with the Yxy color 49.8483, 0.3184, 0.3923.

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

49.8483, 0.3184, 0.3923

Protanopia

49.7581, 0.3561, 0.3809

Deuteranopia

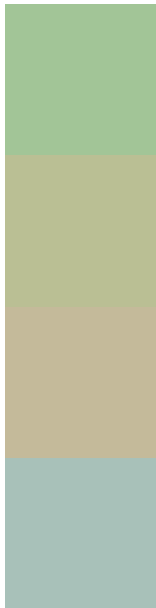
49.6080, 0.3661, 0.3593



Tritanopia

49.8926, 0.2870, 0.3098

Trichromacy



Original Color

49.8483, 0.3184, 0.3923

Protanomaly

49.8388, 0.3419, 0.3852

Deuteranomaly

49.1867, 0.3471, 0.3699

Tritanomaly

49.9675, 0.2988, 0.3395

Monochromacy



Original Color

49.8483, 0.3184, 0.3923

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4416, 0.3150, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8483, 0.3184, 0.3923 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(162, 197, 151)` looks like.

```
.text, #text, p{  
    color:rgb(162, 197, 151)  
}
```

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(162, 197, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 197, 151) }
```

Border

The CSS property to change the border of an element to Yxy 49.8483, 0.3184, 0.3923 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(162, 197, 151) }
```

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

```
.border{ border-color:rgb(162, 197, 151) }
```

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

Here you see how a box with a 4 pixel rgb(162, 197, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 197, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 197, 151);  
box-shadow:4px 4px 4px 4px rgb(162, 197,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8483, 0.3184, 0.3923 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 197, 151) }
```

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

```
.background{ background-color: rgb(162,  
197, 151) }
```

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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