

Converting Colors

$Yxy(49.6851, 0.3104, 0.3775)$

Have a look what the booklet for
Yxy(49.6851, 0.3104, 0.3775)
contains.

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Color

Yxy(49.6301, 0.3105, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	A1C4A1
RGB	161, 196, 161
RGB Percent	63%, 77%, 63%
CMY	0.3685, 0.2314, 0.3687
CMYK	0.18, 0.00, 0.18, 0.23
HSL	120°, 23%, 70%
HSV	120°, 18%, 77%
XYZ	40.8757, 49.6301, 41.1390
YIQ	181.5450, -9.6250, -18.3050

Conversions

Conversions Part 2

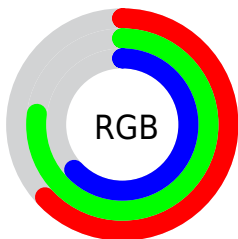
Format	Color
RYB	161, 196, 196
Decimal	10601633
CIELab	75.84, -18.46, 13.76
CIELCh	76, 23.025, 143.297
Yxy	49.6301, 0.3105, 0.3770
Android (android.graphics.Color)	4288791713 (0xFFA1C4A1)
YUV	181.5450, -10.1287, -18.0180
Hunter-Lab	70.4486, -19.7158, 14.6912

Details

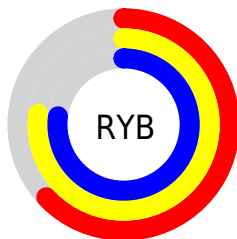
The Yxy color **49.6301, 0.3105, 0.3770** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.2015, 0.3147, 0.2853**, and the grayscale version is **46.5830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8074, 0.3109, 0.3681**, and **23.7013, 0.3098, 0.3918** is the 20% darker color. If you saturate the color by 10%, you get **47.1165, 0.3090, 0.4086**, and if you desaturate by 10%, it is **52.5746, 0.3118, 0.3488**.

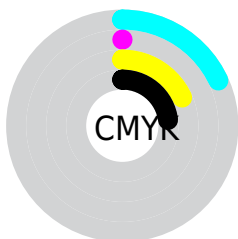
Distribution



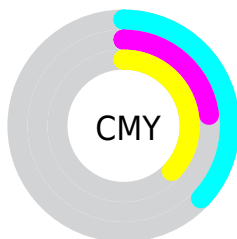
- Red (63%)
- Green (77%)
- Blue (63%)



- Red (63%)
- Yellow (77%)
- Blue (77%)



- Cyan (18%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6301, 0.3105, 0.3770 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 49.6301, 0.3105, 0.3770 by changing the saturation by 10% instead.


 49.6301, 0.3105,
0.3770


 49.6301, 0.3105,
0.3770


385.2176, 0.3120,
0.3525

 35.1196, 0.3100,
0.3833


 89.6266, 0.3111,
0.3680

 23.7550, 0.3093,
0.3914


 115.8813, 0.3113,
0.3647

 15.1520, 0.3083,
0.4023


146.8196, 0.3115,
0.3618

 8.9261, 0.3066,
0.4178

182.8258, 0.3116,
0.3594

 4.6930, 0.3036,
0.4416

224.2843, 0.3117,
0.3574

 2.0683, 0.2971,
0.4821

271.5795, 0.3118,


 0.6467, 0.2023,


0.3555


0.7977

325.0958, 0.3119,
0.3540

 0.0000, 0.0000,
0.0000

 49.6301, 0.3105,
0.3770

 49.6301, 0.3105,
0.3770

 47.1165, 0.3090,
0.4086

 52.5746, 0.3118,
0.3488


 45.0078, 0.3074,
0.4428


 55.9623, 0.3129,
0.3240


 43.2847, 0.3058,
0.4785

 59.8127, 0.3139,
0.3025

 41.9238, 0.3041,
0.5135

 64.1423, 0.3148,
0.2840

 40.8994, 0.3026,
0.5454

 67.9583, 0.3154,
0.2712

■ 40.1821, 0.3014,
0.5712

■ 39.7378, 0.3006,
0.5890

■ 39.5162, 0.3001,
0.5984

■ 39.4799, 0.3000,
0.6000

Harmonies

Analogous

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



49.6301, 0.3416, 0.3854



49.6301, 0.3105, 0.3770



49.6301, 0.2810, 0.3534

Triad

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



49.6301, 0.3105, 0.3770



49.6301, 0.2614, 0.2806



49.6301, 0.3676, 0.3308

Complementary

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



49.6301, 0.3105, 0.3770



41.2015, 0.3147, 0.2853

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.



49.6301, 0.3440, 0.3058



49.6301, 0.3105, 0.3770



49.6301, 0.2824, 0.2775

Square

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



49.6301, 0.3105, 0.3770



49.6301, 0.2536, 0.2967



49.6301, 0.3124, 0.2867



49.6301, 0.3756, 0.3567

Rectangle

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



49.6301, 0.3105, 0.3770



49.6301, 0.2660, 0.3334



49.6301, 0.3124, 0.2867



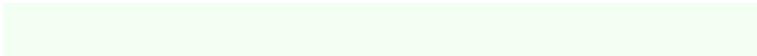
49.6301, 0.3612, 0.3221

Sweetspot

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



49.6322, 0.3105, 0.3770



96.8703, 0.3121, 0.3415



53.5238, 0.3394, 0.3722



20.6437, 0.3121, 0.3434



0.0000, 0.0000, 0.0000



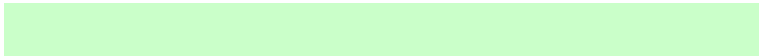
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6322, 0.3105, 0.3770



88.2480, 0.3100, 0.3876



50.2653, 0.2985, 0.3533



11.2594, 0.3116, 0.3528



25.3689, 0.3000, 0.6000



1.0963, 0.3002, 0.5999

Inverse Universe

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



41.2015, 0.3147, 0.2853



70.4501, 0.3151, 0.2766



40.4801, 0.3299, 0.3059



10.2468, 0.3138, 0.3063



10.0799, 0.3206, 0.1540



0.4357, 0.3207, 0.1540

Previews

White Background



This preview shows how the Yxy color 49.6301, 0.3105, 0.3770 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 49.6301, 0.3105, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

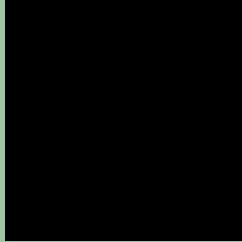
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6301, 0.3105, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 49.6301, 0.3105, 0.3770.



This preview shows how white text looks on a background with the Yxy color 49.6301, 0.3105, 0.3770.

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

49.6301, 0.3105, 0.3770

Protanopia

49.3884, 0.3464, 0.3672

Deuteranopia

49.3199, 0.3546, 0.3486



Tritanopia

49.5595, 0.2848, 0.3096

Trichromacy



Original Color

49.6301, 0.3105, 0.3770

Protanomaly

49.4859, 0.3325, 0.3710

Deuteranomaly

49.0996, 0.3371, 0.3585

Tritanomaly

49.3727, 0.2937, 0.3329

Monochromacy



Original Color

49.6301, 0.3105, 0.3770

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5953, 0.3119, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6301, 0.3105, 0.3770 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(161, 196, 161)` looks like.

```
.text, #text, p{  
    color:rgb(161, 196, 161)  
}
```

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(161, 196, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 196, 161) }
```

Border

The CSS property to change the border of an element to Yxy 49.6301, 0.3105, 0.3770 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(161, 196, 161) }
```

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

```
.border{ border-color:rgb(161, 196, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 196, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 196, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 196, 161); box-shadow:4px 4px 4px 4px rgb(161, 196, 161) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6301, 0.3105, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 196, 161) }
```

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

```
.background{ background-color: rgb(161,  
196, 161) }
```

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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