

Converting Colors

$Yxy(49.7321, 0.3208, 0.3988)$

Have a look what the booklet for
Yxy(49.7321, 0.3208, 0.3988)
contains.

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Color

Yxy(49.6162, 0.3204, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	A1C593
RGB	161, 197, 147
RGB Percent	63%, 77%, 58%
CMY	0.3686, 0.2274, 0.4234
CMYK	0.18, 0.00, 0.25, 0.23
HSL	103°, 30%, 67%
HSV	103°, 25%, 77%
XYZ	39.9323, 49.6162, 35.0840
YIQ	180.5360, -5.4060, -23.1820

Conversions

Conversions Part 2

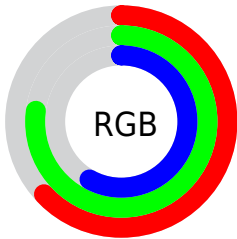
Format	Color
RYB	147, 197, 183
Decimal	10601875
CIELab	75.83, -21.35, 21.22
CIELCh	76, 30.101, 135.175
Yxy	49.6162, 0.3204, 0.3981
Android (android.graphics.Color)	4288791955 (0xFFA1C593)
YUV	180.5360, -16.5332, -17.1331
Hunter-Lab	70.4388, -22.0749, 19.7761

Details

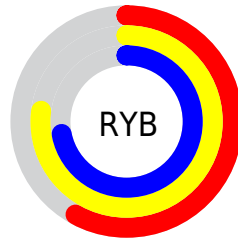
The Yxy color **49.6162, 0.3204, 0.3981** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.9753, 0.3023, 0.2640**, and the grayscale version is **46.0400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6996, 0.3194, 0.3855**, and **23.7407, 0.3219, 0.4189** is the 20% darker color. If you saturate the color by 10%, you get **47.6602, 0.3227, 0.4295**, and if you desaturate by 10%, it is **51.8497, 0.3176, 0.3689**.

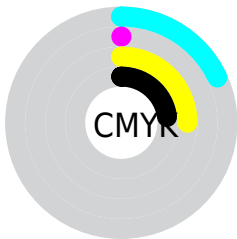
Distribution



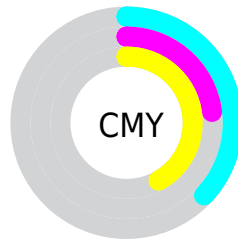
- Red (63%)
- Green (77%)
- Blue (58%)



- Red (58%)
- Yellow (77%)
- Blue (72%)



- Cyan (18%)
- Magenta (0%)
- Yellow (25%)
- Black (23%)





- Cyan (37%)
- Magenta (23%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6162, 0.3204, 0.3981 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 49.6162, 0.3204, 0.3981 by changing the saturation by 10% instead.

 49.6162, 0.3204,
0.3981


 49.6162, 0.3204,
0.3981


385.1631, 0.3173,
0.3627

 35.1085, 0.3209,
0.4072


 89.6060, 0.3195,
0.3850

 23.7465, 0.3214,
0.4190


 115.8568, 0.3191,
0.3802

 15.1457, 0.3218,
0.4349


146.7909, 0.3187,
0.3761

 8.9217, 0.3217,
0.4575

182.7926, 0.3184,
0.3726

 4.6901, 0.3202,
0.4916

224.2463, 0.3181,
0.3696

 2.0666, 0.3219,
0.5625

271.5363, 0.3178,

 0.6458, 0.1254,

0.3670

0.8746

325.0472, 0.3175,
0.3647

0.0000, 0.0000,
0.0000

49.6162, 0.3204,
0.3981

49.6162, 0.3204,
0.3981

47.6602, 0.3227,
0.4295

51.8497, 0.3176,
0.3689

45.9644, 0.3243,
0.4620

54.3645, 0.3144,
0.3422

44.5190, 0.3249,
0.4944

57.1727, 0.3112,
0.3183

43.3115, 0.3242,
0.5249

60.2834, 0.3080,
0.2970

42.3279, 0.3221,
0.5513

63.7056, 0.3049,
0.2783

■ 41.5526, 0.3187,
0.5719

■ 66.7717, 0.3088,
0.2711

■ 40.9674, 0.3142,
0.5856

■ 68.4137, 0.3154,
0.2722

■ 40.7490, 0.3122,
0.5903

Harmonies

Analogous

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



49.6162, 0.3597, 0.4020



49.6162, 0.3204, 0.3981



49.6162, 0.2806, 0.3713

Triad

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



49.6162, 0.3204, 0.3981



49.6162, 0.2420, 0.2701



49.6162, 0.3780, 0.3216

Complementary

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



49.6162, 0.3204, 0.3981



34.9753, 0.3023, 0.2640

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.



49.6162, 0.3427, 0.2914



49.6162, 0.3204, 0.3981



49.6162, 0.2644, 0.2622

Square

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



49.6162, 0.3204, 0.3981



49.6162, 0.2372, 0.2944



49.6162, 0.3007, 0.2702



49.6162, 0.3947, 0.3550

Rectangle

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



49.6162, 0.3204, 0.3981



49.6162, 0.2591, 0.3453



49.6162, 0.3007, 0.2702



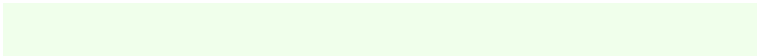
49.6162, 0.3678, 0.3109

Sweetspot

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



49.6183, 0.3204, 0.3981



96.0740, 0.3153, 0.3493



47.7794, 0.3547, 0.3750



20.4140, 0.3158, 0.3533



0.0000, 0.0000, 0.0000



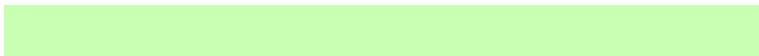
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6183, 0.3204, 0.3981



87.0201, 0.3217, 0.4138



48.6022, 0.3019, 0.3845



12.0291, 0.3157, 0.3526



26.8383, 0.3130, 0.5897



1.3081, 0.3293, 0.5767

Inverse Universe

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



34.9753, 0.3023, 0.2640



56.6849, 0.2996, 0.2502



36.2973, 0.3258, 0.2793



10.6618, 0.3094, 0.3059



6.4714, 0.2518, 0.1161



0.3414, 0.2667, 0.1243

Previews

White Background



This preview shows how the Yxy color 49.6162, 0.3204, 0.3981 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 49.6162, 0.3204, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

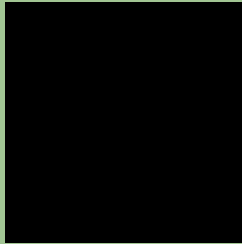
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6162, 0.3204, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 49.6162, 0.3204, 0.3981.



This preview shows how white text looks on a background with the Yxy color 49.6162, 0.3204, 0.3981.

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

49.6162, 0.3204, 0.3981

Protanopia

49.2129, 0.3597, 0.3849

Deuteranopia

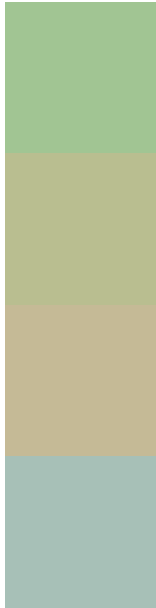
49.2263, 0.3709, 0.3628



Tritanopia

49.3009, 0.2869, 0.3097

Trichromacy



Original Color

49.6162, 0.3204, 0.3981

Protanomaly

49.1548, 0.3444, 0.3895

Deuteranomaly

49.1901, 0.3513, 0.3749

Tritanomaly

49.3337, 0.2995, 0.3409

Monochromacy



Original Color

49.6162, 0.3204, 0.3981

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.4039, 0.3158, 0.3531

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6162, 0.3204, 0.3981 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, 197, 147)` looks like.

```
.text, #text, p{  
    color:rgb(161, 197, 147)  
}
```

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, 197, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 197, 147) }
```

Border

The CSS property to change the border of an element to Yxy 49.6162, 0.3204, 0.3981 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, 197, 147) }
```

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

```
.border{ border-color:rgb(161, 197, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 197, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 197, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 197, 147);  
box-shadow:4px 4px 4px 4px rgb(161, 197,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6162, 0.3204, 0.3981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 197, 147) }
```

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

```
.background{ background-color: rgb(161,  
197, 147) }
```

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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