

Converting Colors

$Y_{xy}(49.2321, 0.3160, 0.3654)$

Have a look what the booklet for
Yxy(49.2321, 0.3160, 0.3654)
contains.

Yxy(49.0738, 0.3159, 0.3653)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.0738, 0.3159, 0.3653)

Conversions

Conversions Part 1

Format	Color
Hex	ABC0A5
RGB	171, 192, 165
RGB Percent	67%, 75%, 65%
CMY	0.3293, 0.2471, 0.3530
CMYK	0.11, 0.00, 0.14, 0.25
HSL	107°, 18%, 70%
HSV	107°, 14%, 75%
XYZ	42.4375, 49.0738, 42.8271
YIQ	182.6430, -3.8490, -12.8490

Conversions

Conversions Part 2

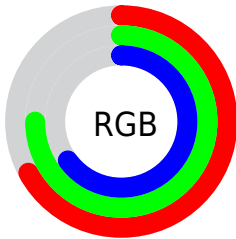
Format	Color
RYB	165, 192, 186
Decimal	11255973
CIELab	75.50, -12.23, 11.22
CIELCh	75, 16.594, 137.473
Yxy	49.0738, 0.3159, 0.3653
Android (android.graphics.Color)	4289446053 (0xFFABC0A5)
YUV	182.6430, -8.6980, -10.2109
Hunter-Lab	70.0527, -14.4580, 12.7896

Details

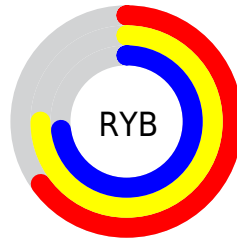
The Yxy color $49.0738, 0.3159, 0.3653$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $41.1481, 0.3089, 0.2941$, and the grayscale version is $47.2003, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.4709, 0.3152, 0.3582$, and $23.5794, 0.3170, 0.3771$ is the 20% darker color. If you saturate the color by 10%, you get $46.8467, 0.3179, 0.3945$, and if you desaturate by 10%, it is $51.5992, 0.3137, 0.3389$.

Distribution



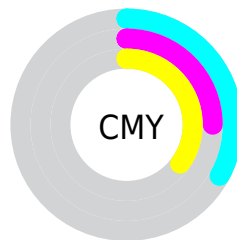
- Red (67%)
- Green (75%)
- Blue (65%)



- Red (65%)
- Yellow (75%)
- Blue (73%)



- Cyan (11%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)




- Cyan (33%)
- Magenta (25%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.0738, 0.3159, 0.3653 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 49.0738, 0.3159, 0.3653 by changing the saturation by 10% instead.


 49.0738, 0.3159,
0.3653


 49.0738, 0.3159,
0.3653


383.0328, 0.3145,
0.3469

 34.6780, 0.3162,
0.3700


 88.8011, 0.3154,
0.3586

 23.4150, 0.3165,
0.3760


 114.9013, 0.3153,
0.3561

 14.9002, 0.3168,
0.3841


145.6719, 0.3151,
0.3539

 8.7494, 0.3172,
0.3956

181.4971, 0.3150,
0.3521

 4.5781, 0.3174,
0.4130

222.7614, 0.3148,
0.3506

 2.0019, 0.3168,
0.4425

269.8492, 0.3147,

 0.6086, 0.3150,

0.3492

0.6850

323.1449, 0.3146,
0.3480

0.0000, 0.0000,
0.0000

49.0738, 0.3159,
0.3653

49.0738, 0.3159,
0.3653

46.8467, 0.3179,
0.3945

51.5992, 0.3137,
0.3389

44.9005, 0.3194,
0.4260

54.4267, 0.3113,
0.3154

43.2258, 0.3204,
0.4590

57.5685, 0.3089,
0.2946

41.8101, 0.3205,
0.4922

61.0337, 0.3066,
0.2764

40.6400, 0.3195,
0.5237

64.4395, 0.3085,
0.2659

■ 39.7008, 0.3174,
0.5513

■ 66.1798, 0.3156,
0.2673

■ 38.9761, 0.3143,
0.5730

■ 38.4468, 0.3104,
0.5875

■ 38.2101, 0.3082,
0.5935

Harmonies

Analogous

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



49.0738, 0.3379, 0.3693



49.0738, 0.3159, 0.3653



49.0738, 0.2936, 0.3504

Triad

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



49.0738, 0.3159, 0.3653



49.0738, 0.2732, 0.2955



49.0738, 0.3497, 0.3270

Complementary

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



49.0738, 0.3159, 0.3653



41.1481, 0.3089, 0.2941

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.



49.0738, 0.3313, 0.3089



49.0738, 0.3159, 0.3653



49.0738, 0.2871, 0.2909

Square

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



49.0738, 0.3159, 0.3653



49.0738, 0.2695, 0.3092



49.0738, 0.3082, 0.2959



49.0738, 0.3579, 0.3462

Rectangle

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



49.0738, 0.3159, 0.3653



49.0738, 0.2816, 0.3366



49.0738, 0.3082, 0.2959



49.0738, 0.3445, 0.3206

Sweetspot

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



49.0759, 0.3159, 0.3653



93.4957, 0.3137, 0.3389



48.9138, 0.3346, 0.3556



19.9793, 0.3138, 0.3408



97.7402, 0.3127, 0.3290



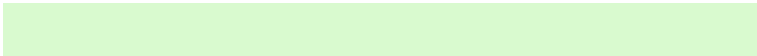
20.4902, 0.3127, 0.3290

Same Dimension

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



49.0759, 0.3159, 0.3653



87.5704, 0.3166, 0.3744



48.6840, 0.3057, 0.3558



11.3648, 0.3149, 0.3526



25.7399, 0.3088, 0.5930



1.1438, 0.3250, 0.5802

Inverse Universe

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



41.1481, 0.3089, 0.2941



70.3227, 0.3079, 0.2859



41.6074, 0.3205, 0.3036



10.1305, 0.3103, 0.3061



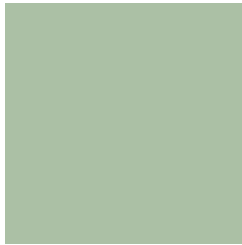
6.9059, 0.2656, 0.1237



0.3270, 0.2786, 0.1308

Previews

White Background



This preview shows how the Yxy color 49.0738, 0.3159, 0.3653 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 49.0738, 0.3159, 0.3653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

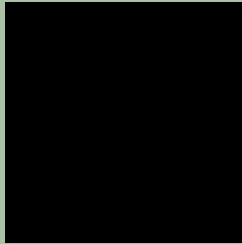
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.0738, 0.3159, 0.3653

Background



This preview shows how black text looks on a background with the Yxy color 49.0738, 0.3159, 0.3653.



This preview shows how white text looks on a background with the Yxy color 49.0738, 0.3159, 0.3653.

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

49.0738, 0.3159, 0.3653

Protanopia

48.8732, 0.3407, 0.3597

Deuteranopia

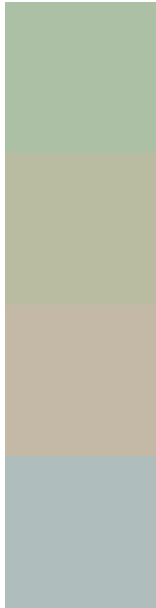
48.7690, 0.3496, 0.3425



Tritanopia

49.1520, 0.2935, 0.3099

Trichromacy



Original Color

49.0738, 0.3159, 0.3653

Protanomaly

49.0142, 0.3314, 0.3629

Deuteranomaly

48.8068, 0.3368, 0.3506

Tritanomaly

49.1833, 0.3014, 0.3290

Monochromacy



Original Color

49.0738, 0.3159, 0.3653

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.8361, 0.3146, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0738, 0.3159, 0.3653 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(171, 192, 165)` looks like.

```
.text, #text, p{  
    color:rgb(171, 192, 165)  
}
```

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(171, 192, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 192, 165) }
```

Border

The CSS property to change the border of an element to Yxy 49.0738, 0.3159, 0.3653 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(171, 192, 165) }
```

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

```
.border{ border-color:rgb(171, 192, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 192, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 192, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 192, 165);  
box-shadow:4px 4px 4px 4px rgb(171, 192,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0738, 0.3159, 0.3653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 192, 165) }
```

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

```
.background{ background-color: rgb(171,  
192, 165) }
```

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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