

Converting Colors

$Yxy(49.8667, 0.3294, 0.3972)$

Have a look what the booklet for
Yxy(49.8667, 0.3294, 0.3972)
contains.

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Color

Yxy(50.0702, 0.3294, 0.3981)

Conversions

Conversions Part 1

Format	Color
Hex	AAC491
RGB	170, 196, 145
RGB Percent	67%, 77%, 57%
CMY	0.3333, 0.2314, 0.4313
CMYK	0.13, 0.00, 0.26, 0.23
HSL	91°, 30%, 67%
HSV	91°, 26%, 77%
XYZ	41.4296, 50.0702, 34.2731
YIQ	182.4120, 0.8750, -21.3730

Conversions

Conversions Part 2

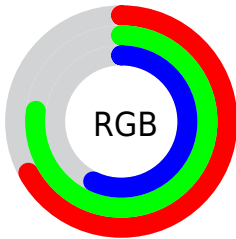
Format	Color
RYB	145, 196, 171
Decimal	11191441
CIELab	76.11, -17.93, 22.77
CIELCh	76, 28.978, 128.223
Yxy	50.0702, 0.3294, 0.3981
Android (android.graphics.Color)	4289381521 (0xFFAAC491)
YUV	182.4120, -18.4441, -10.8853
Hunter-Lab	70.7603, -19.3202, 20.8148

Details

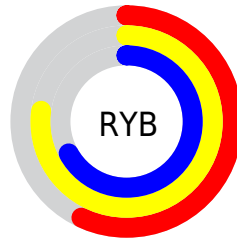
The Yxy color **50.0702, 0.3294, 0.3981** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.8992, 0.2918, 0.2602**, and the grayscale version is **47.1195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.5428, 0.3271, 0.3856**, and **23.9361, 0.3328, 0.4187** is the 20% darker color. If you saturate the color by 10%, you get **48.4471, 0.3351, 0.4276**, and if you desaturate by 10%, it is **51.8867, 0.3231, 0.3700**.

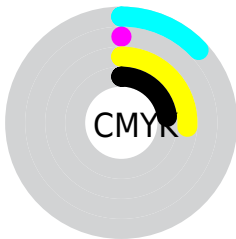
Distribution



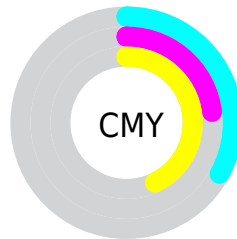
- Red (67%)
- Green (77%)
- Blue (57%)



- Red (57%)
- Yellow (77%)
- Blue (67%)



- Cyan (13%)
- Magenta (0%)
- Yellow (26%)
- Black (23%)




- Cyan (33%)
- Magenta (23%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0702, 0.3294, 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 50.0702, 0.3294, 0.3981 by changing the saturation by 10% instead.

 50.0702, 0.3294,
0.3981


 50.0702, 0.3294,
0.3981


386.9404, 0.3218,
0.3629

 35.4692, 0.3310,
0.4070

 90.2789, 0.3268,
0.3852

 24.0245, 0.3329,
0.4186


 116.6553, 0.3258,
0.3804

 15.3518, 0.3351,
0.4341


147.7257, 0.3249,
0.3763

 9.0667, 0.3376,
0.4558

183.8744, 0.3242,
0.3728

 4.7847, 0.3397,
0.4883

225.4858, 0.3235,
0.3699

 2.1215, 0.3498,
0.5580

272.9444, 0.3229,

 0.6767, 0.2329,

0.3672

0.7671

326.6344, 0.3223,
0.3649

0.0000, 0.0000,
0.0000

50.0702, 0.3294,
0.3981

50.0702, 0.3294,
0.3981

48.4471, 0.3351,
0.4276

51.8867, 0.3231,
0.3700

47.0035, 0.3398,
0.4575

53.8968, 0.3166,
0.3437

45.7340, 0.3432,
0.4867

56.1090, 0.3101,
0.3197

44.6300, 0.3448,
0.5138

58.5295, 0.3038,
0.2979

43.6822, 0.3443,
0.5371

61.1642, 0.2977,
0.2783

■ 42.8800, 0.3417,
0.5554

■ 63.5183, 0.2970,
0.2679

■ 42.2105, 0.3370,
0.5681

■ 65.2190, 0.3043,
0.2692

■ 41.9717, 0.3350,
0.5722

■ 67.0161, 0.3117,
0.2706

■ 67.9611, 0.3154,
0.2712

Harmonies

Analogous

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



50.0702, 0.3655, 0.3968



50.0702, 0.3294, 0.3981



50.0702, 0.2903, 0.3770

Triad

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



50.0702, 0.3294, 0.3981



50.0702, 0.2420, 0.2765



50.0702, 0.3687, 0.3147

Complementary

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



50.0702, 0.3294, 0.3981



32.8992, 0.2918, 0.2602

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.



50.0702, 0.3323, 0.2872



50.0702, 0.3294, 0.3981



50.0702, 0.2599, 0.2651

Square

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



50.0702, 0.3294, 0.3981



50.0702, 0.2415, 0.3033



50.0702, 0.2923, 0.2694



50.0702, 0.3896, 0.3468

Rectangle

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



50.0702, 0.3294, 0.3981



50.0702, 0.2678, 0.3536



50.0702, 0.2923, 0.2694



50.0702, 0.3578, 0.3047

Sweetspot

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



50.0724, 0.3294, 0.3981



96.8355, 0.3180, 0.3491



42.7209, 0.3593, 0.3624



20.6052, 0.3190, 0.3530



0.0000, 0.0000, 0.0000



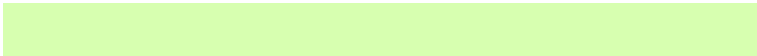
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0724, 0.3294, 0.3981



89.0537, 0.3326, 0.4141



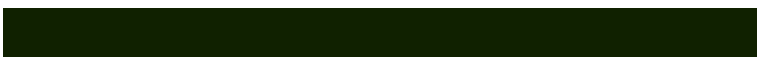
47.5466, 0.3093, 0.4025



11.4957, 0.3188, 0.3523



27.0188, 0.3360, 0.5714



1.2084, 0.3534, 0.5576

Inverse Universe

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



32.8992, 0.2918, 0.2602



52.8887, 0.2863, 0.2444



35.9762, 0.3157, 0.2650



9.9947, 0.3061, 0.3058



4.3506, 0.2053, 0.0904



0.2289, 0.2298, 0.1039

Previews

White Background



This preview shows how the Yxy color 50.0702, 0.3294, 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 50.0702, 0.3294, 0.3981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

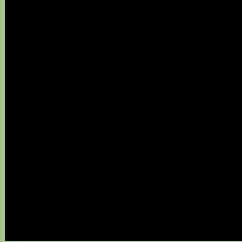
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.0702, 0.3294, 0.3981

Background



This preview shows how black text looks on a background with the Yxy color 50.0702, 0.3294, 0.3981.



This preview shows how white text looks on a background with the Yxy color 50.0702, 0.3294, 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

50.0702, 0.3294, 0.3981

Protanopia

49.8812, 0.3620, 0.3869

Deuteranopia

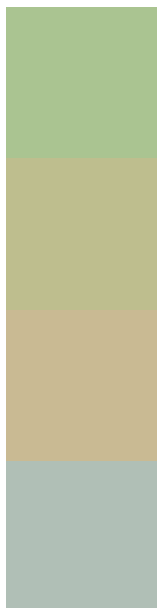
49.8407, 0.3750, 0.3674



Tritanopia

49.8619, 0.2944, 0.3100

Trichromacy



Original Color

50.0702, 0.3294, 0.3981

Protanomaly

49.7271, 0.3504, 0.3912

Deuteranomaly

49.6419, 0.3574, 0.3782

Tritanomaly

49.8691, 0.3073, 0.3407

Monochromacy



Original Color

50.0702, 0.3294, 0.3981

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.8702, 0.3191, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0702, 0.3294, 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(170, 196, 145)` looks like.

```
.text, #text, p{  
    color:rgb(170, 196, 145)  
}
```

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(170, 196, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 196, 145) }
```

Border

The CSS property to change the border of an element to Yxy 50.0702, 0.3294, 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(170, 196, 145) }
```

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

```
.border{ border-color:rgb(170, 196, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 196, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 196, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 196, 145);  
box-shadow:4px 4px 4px 4px rgb(170, 196,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0702, 0.3294, 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(170, 196, 145) }
```

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

```
.background{ background-color: rgb(170,  
196, 145) }
```

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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