

Converting Colors

$Yxy(48.5381, 0.3220, 0.4231)$

Have a look what the booklet for
Yxy(48.5381, 0.3220, 0.4231)
contains.

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Color

Yxy(48.5381, 0.3220, 0.4231)

Conversions

Conversions Part 1

Format	Color
Hex	96C684
RGB	150, 198, 132
RGB Percent	59%, 78%, 52%
CMY	0.4116, 0.2235, 0.4824
CMYK	0.24, 0.00, 0.33, 0.22
HSL	104°, 37%, 65%
HSV	104°, 33%, 78%
XYZ	36.9399, 48.5381, 29.2422
YIQ	176.1240, -7.4220, -30.7020

Conversions

Conversions Part 2

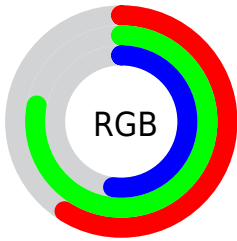
Format	Color
RYB	132, 198, 180
Decimal	9881220
CIELab	75.16, -28.06, 28.14
CIElCh	75, 39.740, 134.917
Yxy	48.5381, 0.3220, 0.4231
Android (android.graphics.Color)	4288071300 (0xFF96C684)
YUV	176.1240, -21.7531, -22.9107
Hunter-Lab	69.6693, -27.2774, 23.8828

Details

The Yxy color **48.5381, 0.3220, 0.4231** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.2690, 0.2984, 0.2425**, and the grayscale version is **43.6059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0443, 0.3208, 0.4046**, and **23.1524, 0.3225, 0.4516** is the 20% darker color. If you saturate the color by 10%, you get **46.7664, 0.3237, 0.4556**, and if you desaturate by 10%, it is **50.5844, 0.3196, 0.3921**.

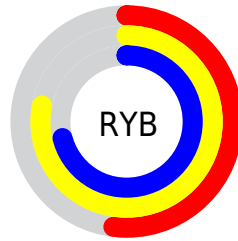
Distribution



Red (59%)

Green (78%)

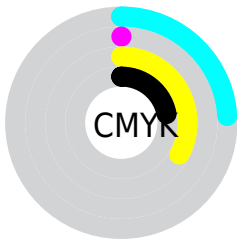
Blue (52%)



Red (52%)

Yellow (78%)

Blue (71%)

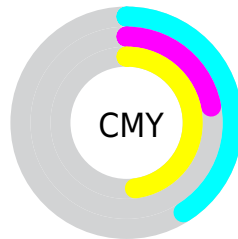


Cyan (24%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (41%)


Magenta (22%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5381, 0.3220, 0.4231 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 48.5381, 0.3220, 0.4231 by changing the saturation by 10% instead.


 48.5381, 0.3220,
0.4231


 48.5381, 0.3220,
0.4231


380.9211, 0.3187,
0.3743

 34.2532, 0.3223,
0.4358


 88.0050, 0.3212,
0.4050

 23.0882, 0.3224,
0.4523


 113.9559, 0.3208,
0.3983

 14.6586, 0.3218,
0.4746


 144.5642, 0.3204,
0.3927

 8.5802, 0.3198,
0.5061


180.2143, 0.3200,
0.3879

 4.4684, 0.3139,
0.5536

221.2907, 0.3196,
0.3838

 1.9389, 0.3200,
0.6800

268.1776, 0.3193,

 0.5716, 0.0000,

0.3802

1.0000

321.2597, 0.3190,
0.3770

0.0000, 0.0000,
0.0000

48.5381, 0.3220,
0.4231

48.5381, 0.3220,
0.4231

46.7664, 0.3237,
0.4556

50.5844, 0.3196,
0.3921

45.2511, 0.3244,
0.4883

52.9100, 0.3168,
0.3633

43.9816, 0.3239,
0.5193


55.5277, 0.3138,
0.3371

42.9437, 0.3221,
0.5468

58.4472, 0.3106,
0.3137

42.1218, 0.3189,
0.5687

61.6781, 0.3075,
0.2930

 41.4981, 0.3146,
0.5838

 65.2292, 0.3045,
0.2748

 41.1762, 0.3117,
0.5907

 68.0652, 0.3122,
0.2727

 68.8675, 0.3153,
0.2732

Harmonies

Analogous

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



48.5381, 0.3740, 0.4259



48.5381, 0.3220, 0.4231



48.5381, 0.2700, 0.3867

Triad

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



48.5381, 0.3220, 0.4231



48.5381, 0.2208, 0.2516



48.5381, 0.3995, 0.3178

Complementary

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



48.5381, 0.3220, 0.4231



30.2690, 0.2984, 0.2425

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.



48.5381, 0.3516, 0.2797



48.5381, 0.3220, 0.4231



48.5381, 0.2489, 0.2425

Square

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



48.5381, 0.3220, 0.4231



48.5381, 0.2147, 0.2823



48.5381, 0.2957, 0.2529



48.5381, 0.4218, 0.3606

Rectangle

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



48.5381, 0.3220, 0.4231



48.5381, 0.2423, 0.3506



48.5381, 0.2957, 0.2529



48.5381, 0.3856, 0.3042

Sweetspot

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



48.5402, 0.3220, 0.4231



95.1194, 0.3159, 0.3546



46.0283, 0.3695, 0.3899



20.2220, 0.3163, 0.3584



0.0000, 0.0000, 0.0000



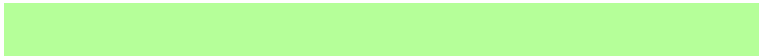
21.4041, 0.3127, 0.3290

Same Dimension

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



48.5402, 0.3220, 0.4231



83.6317, 0.3233, 0.4466



47.3752, 0.2987, 0.4052



12.0259, 0.3156, 0.3526



26.8153, 0.3125, 0.5901



1.3067, 0.3287, 0.5772

Inverse Universe

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



30.2690, 0.2984, 0.2425



46.3495, 0.2942, 0.2230



31.9493, 0.3310, 0.2633



10.6651, 0.3095, 0.3059



6.5423, 0.2532, 0.1169



0.3443, 0.2679, 0.1250

Previews

White Background



This preview shows how the Yxy color 48.5381, 0.3220, 0.4231 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 48.5381, 0.3220, 0.4231 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 48.5381, 0.3220, 0.4231

Background



This preview shows how black text looks on a background with the Yxy color 48.5381, 0.3220, 0.4231.



This preview shows how white text looks on a background with the Yxy color 48.5381, 0.3220, 0.4231.

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

48.5381, 0.3220, 0.4231

Protanopia

48.0667, 0.3744, 0.4024

Deuteranopia

48.1559, 0.3850, 0.3772



Tritanopia

48.4362, 0.2810, 0.3093

Trichromacy



Original Color

48.5381, 0.3220, 0.4231

Protanomaly

47.8988, 0.3544, 0.4102

Deuteranomaly

47.7846, 0.3603, 0.3938

Tritanomaly

48.1827, 0.2961, 0.3481

Monochromacy



Original Color

48.5381, 0.3220, 0.4231

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

45.0345, 0.3171, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5381, 0.3220, 0.4231 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(150, 198, 132)` looks like.

```
.text, #text, p{  
    color:rgb(150, 198, 132)  
}
```

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(150, 198, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 198, 132) }
```

Border

The CSS property to change the border of an element to Yxy 48.5381, 0.3220, 0.4231 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(150, 198, 132) }
```

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

```
.border{ border-color:rgb(150, 198, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 198, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 198, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 198, 132);  
box-shadow:4px 4px 4px 4px rgb(150, 198,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5381, 0.3220, 0.4231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 198, 132) }
```

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

```
.background{ background-color: rgb(150,  
198, 132) }
```

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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