

Converting Colors

$Yxy(48.9887, 0.3107, 0.3418)$

Have a look what the booklet for
Yxy(48.9887, 0.3107, 0.3418)
contains.

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Color

Yxy(48.9970, 0.3105, 0.3421)

Conversions

Conversions Part 1

Format	Color
Hex	B1BDB3
RGB	177, 189, 179
RGB Percent	69%, 74%, 70%
CMY	0.3057, 0.2588, 0.2981
CMYK	0.06, 0.00, 0.05, 0.26
HSL	130°, 8%, 72%
HSV	130°, 6%, 74%
XYZ	44.4711, 48.9970, 49.7561
YIQ	184.2720, -3.9420, -5.6540

Conversions

Conversions Part 2

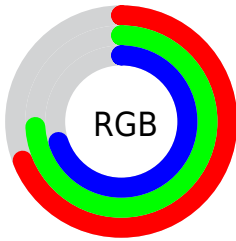
Format	Color
RYB	177, 187, 189
Decimal	11648435
CIELab	75.45, -6.01, 3.62
CIELCh	75, 7.020, 148.935
Yxy	48.9970, 0.3105, 0.3421
Android (android.graphics.Color)	4289838515 (0xFFB1BDB3)
YUV	184.2720, -2.5991, -6.3775
Hunter-Lab	69.9979, -9.0914, 6.8538

Details

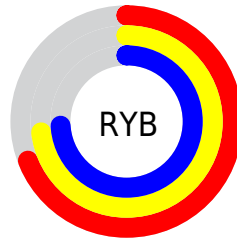
The Yxy color $48.9970, 0.3105, 0.3421$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $45.8670, 0.3150, 0.3162$, and the grayscale version is $48.1109, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.6266, 0.3110, 0.3392$, and $23.3998, 0.3097, 0.3470$ is the 20% darker color. If you saturate the color by 10%, you get $46.3272, 0.3069, 0.3651$, and if you desaturate by 10%, it is $52.0518, 0.3140, 0.3219$.

Distribution



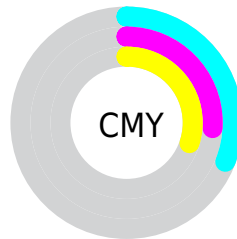
- Red (69%)
- Green (74%)
- Blue (70%)



- Red (69%)
- Yellow (73%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)




- Cyan (31%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9970, 0.3105, 0.3421 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 48.9970, 0.3105, 0.3421 by changing the saturation by 10% instead.


 48.9970, 0.3105,
0.3421

 48.9970, 0.3105,
0.3421


382.7305, 0.3116,
0.3356

 34.6171, 0.3102,
0.3437


 88.6870, 0.3109,
0.3397

 23.3681, 0.3098,
0.3458

114.7659, 0.3111,
0.3388

 14.8655, 0.3093,
0.3487


145.5132, 0.3112,
0.3381

 8.7251, 0.3086,
0.3526

181.3134, 0.3113,
0.3374

 4.5623, 0.3075,
0.3585

222.5508, 0.3114,
0.3369

 1.9928, 0.3056,
0.3684

269.6099, 0.3115,

 0.6033, 0.2976,

0.3364

0.4208

322.8750, 0.3116,
0.3359

0.0000, 0.0000,
0.0000

48.9970, 0.3105,
0.3421

48.9970, 0.3105,
0.3421

46.3272, 0.3069,
0.3651

52.0518, 0.3140,
0.3219

44.0209, 0.3034,
0.3908

55.4994, 0.3173,
0.3042

42.0644, 0.3001,
0.4190

59.3554, 0.3204,
0.2889

40.4404, 0.2971,
0.4492

63.6327, 0.3234,
0.2757

39.1302, 0.2948,
0.4803

64.8732, 0.3157,
0.2644

■ 38.1132, 0.2934,
0.5108

■ 37.3664, 0.2930,
0.5388

■ 36.8632, 0.2938,
0.5626

■ 36.5697, 0.2955,
0.5806

Harmonies

Analogous

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



48.9970, 0.3202, 0.3457



48.9970, 0.3105, 0.3421



48.9970, 0.3015, 0.3348

Triad

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



48.9970, 0.3105, 0.3421



48.9970, 0.2976, 0.3134



48.9970, 0.3302, 0.3316

Complementary

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



48.9970, 0.3105, 0.3421



45.8670, 0.3150, 0.3162

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.



48.9970, 0.3239, 0.3232



48.9970, 0.3105, 0.3421



48.9970, 0.3051, 0.3129

Square

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



48.9970, 0.3105, 0.3421



48.9970, 0.2942, 0.3182



48.9970, 0.3147, 0.3164



48.9970, 0.3316, 0.3395

Rectangle

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



48.9970, 0.3105, 0.3421



48.9970, 0.2971, 0.3290



48.9970, 0.3147, 0.3164



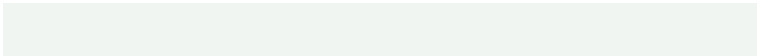
48.9970, 0.3285, 0.3288

Sweetspot

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



48.9991, 0.3105, 0.3421



90.0255, 0.3120, 0.3331



50.1593, 0.3204, 0.3443



19.3718, 0.3120, 0.3329



95.5105, 0.3127, 0.3290



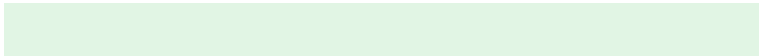
19.5994, 0.3127, 0.3290

Same Dimension

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



48.9991, 0.3105, 0.3421



86.8507, 0.3099, 0.3460



49.2395, 0.3061, 0.3344



10.6744, 0.3094, 0.3488



24.5617, 0.2956, 0.5842



0.9702, 0.2846, 0.5446

Inverse Universe

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



45.8670, 0.3150, 0.3162



79.7306, 0.3157, 0.3125



45.6227, 0.3198, 0.3236



9.6688, 0.3162, 0.3100



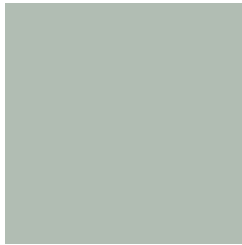
8.9525, 0.3665, 0.1792



0.3579, 0.3539, 0.1723

Previews

White Background



This preview shows how the Yxy color 48.9970, 0.3105, 0.3421 looks on a white background.

Color Contrast Check

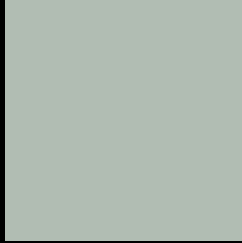
Large Text (above 18pt) WCAG AA × Fail

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 48.9970, 0.3105, 0.3421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

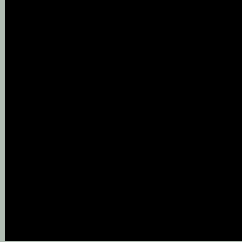
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

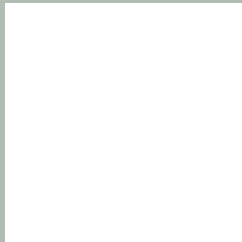
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.9970, 0.3105, 0.3421

Background



This preview shows how black text looks on a background with the Yxy color 48.9970, 0.3105, 0.3421.



This preview shows how white text looks on a background with the Yxy color 48.9970, 0.3105, 0.3421.

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

48.9970, 0.3105, 0.3421

Protanopia

48.9486, 0.3241, 0.3392

Deuteranopia

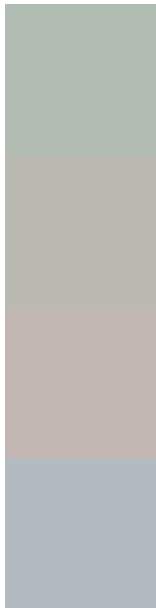
48.9578, 0.3337, 0.3278



Tritanopia

48.9912, 0.2973, 0.3112

Trichromacy



Original Color

48.9970, 0.3105, 0.3421

Protanomaly

48.7713, 0.3190, 0.3393

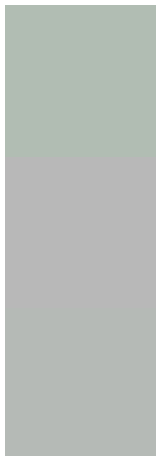
Deuteranomaly

48.7644, 0.3254, 0.3328

Tritanomaly

48.9301, 0.3024, 0.3225

Monochromacy



Original Color

48.9970, 0.3105, 0.3421

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.3190, 0.3116, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9970, 0.3105, 0.3421 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(177, 189, 179)` looks like.

```
.text, #text, p{  
    color:rgb(177, 189, 179)  
}
```

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(177, 189, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 189, 179) }
```

Border

The CSS property to change the border of an element to Yxy 48.9970, 0.3105, 0.3421 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(177, 189, 179) }
```

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

```
.border{ border-color:rgb(177, 189, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 189, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 189, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 189, 179);  
box-shadow:4px 4px 4px 4px rgb(177, 189,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9970, 0.3105, 0.3421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 189, 179) }
```

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

```
.background{ background-color: rgb(177,  
189, 179) }
```

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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