

Converting Colors

Yxy(49.9836, 0.3047, 0.3471)

Have a look what the booklet for
Yxy(49.9836, 0.3047, 0.3471)
contains.

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Color

Yxy(49.9406, 0.3047, 0.3475)

Conversions

Conversions Part 1

Format	Color
Hex	AAC1B3
RGB	170, 193, 179
RGB Percent	67%, 76%, 70%
CMY	0.3332, 0.2432, 0.2980
CMYK	0.12, 0.00, 0.07, 0.24
HSL	143°, 16%, 71%
HSV	143°, 12%, 76%
XYZ	43.7896, 49.9406, 49.9837
YIQ	184.5270, -9.2140, -9.2300

Conversions

Conversions Part 2

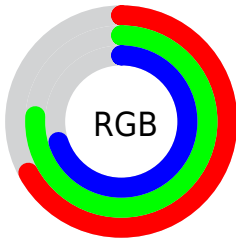
Format	Color
RYB	170, 187, 193
Decimal	11190707
CIELab	76.03, -10.52, 4.39
CIElCh	76, 11.401, 157.334
Yxy	49.9406, 0.3047, 0.3475
Android (android.graphics.Color)	4289380787 (0xFFAAC1B3)
YUV	184.5270, -2.7248, -12.7402
Hunter-Lab	70.6687, -13.0631, 7.5324

Details

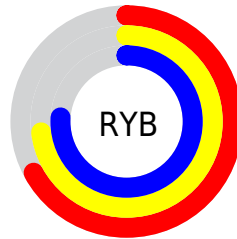
The Yxy color $49.9406, 0.3047, 0.3475$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $43.5595, 0.3217, 0.3112$, and the grayscale version is $48.2627, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.7571, 0.3058, 0.3434$, and $23.8231, 0.3030, 0.3527$ is the 20% darker color. If you saturate the color by 10%, you get $47.4913, 0.2981, 0.3651$, and if you desaturate by 10%, it is $52.7505, 0.3114, 0.3318$.

Distribution



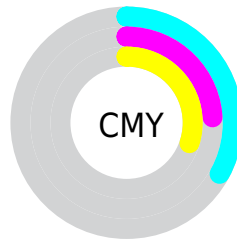
- Red (67%)
- Green (76%)
- Blue (70%)



- Red (67%)
- Yellow (73%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (7%)
- Black (24%)



- Cyan (33%)
- Magenta (24%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9406, 0.3047, 0.3475 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 49.9406, 0.3047, 0.3475 by changing the saturation by 10% instead.

■ 49.9406, 0.3047,
0.3475

■ 49.9406, 0.3047,
0.3475

386.4336, 0.3087,
0.3382

■ 35.3662, 0.3037,
0.3498

■ 90.0869, 0.3062,
0.3441

■ 23.9451, 0.3024,
0.3528

116.4275, 0.3067,
0.3429

■ 15.2929, 0.3006,
0.3568

147.4590, 0.3072,
0.3418

■ 9.0252, 0.2982,
0.3624

183.5658, 0.3076,
0.3409

■ 4.7576, 0.2945,
0.3708

225.1323, 0.3079,
0.3401

■ 2.1058, 0.2884,
0.3848

272.5428, 0.3082,

■ 0.6679, 0.2578,

0.3394

0.4556

326.1818, 0.3085,
0.3388

0.0000, 0.0000,
0.0000

49.9406, 0.3047,
0.3475

49.9406, 0.3047,
0.3475

47.4913, 0.2981,
0.3651

52.7505, 0.3114,
0.3318

45.3814, 0.2920,
0.3846

55.9284, 0.3182,
0.3179

43.5975, 0.2865,
0.4057


59.4896, 0.3247,
0.3056


42.1223, 0.2820,
0.4283


63.4465, 0.3311,
0.2949

40.9374, 0.2788,
0.4518

65.5583, 0.3282,
0.2842

 40.0219, 0.2772,
0.4755

 66.2711, 0.3195,
0.2732

 39.3524, 0.2775,
0.4985

 66.6181, 0.3156,
0.2683

 38.9006, 0.2796,
0.5200

 38.6524, 0.2822,
0.5358

Harmonies

Analogous

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



49.9406, 0.3204, 0.3553



49.9406, 0.3047, 0.3475



49.9406, 0.2914, 0.3344

Triad

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



49.9406, 0.3047, 0.3475



49.9406, 0.2912, 0.3031



49.9406, 0.3425, 0.3367

Complementary

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



49.9406, 0.3047, 0.3475



43.5595, 0.3217, 0.3112

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.



49.9406, 0.3343, 0.3233



49.9406, 0.3047, 0.3475



49.9406, 0.3045, 0.3042

Square

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



49.9406, 0.3047, 0.3475



49.9406, 0.2838, 0.3087



49.9406, 0.3203, 0.3115



49.9406, 0.3425, 0.3486

Rectangle

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



49.9406, 0.3047, 0.3475



49.9406, 0.2856, 0.3247



49.9406, 0.3203, 0.3115



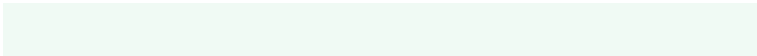
49.9406, 0.3406, 0.3323

Sweetspot

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



49.9427, 0.3047, 0.3475



93.3378, 0.3100, 0.3350



51.2558, 0.3229, 0.3587



19.9395, 0.3095, 0.3362



97.7402, 0.3127, 0.3290



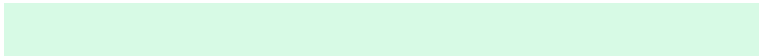
20.4902, 0.3127, 0.3290

Same Dimension

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



49.9427, 0.3047, 0.3475



88.3775, 0.3032, 0.3514



50.4192, 0.2966, 0.3325



11.3226, 0.3064, 0.3434



25.7243, 0.2815, 0.5334



1.1250, 0.2687, 0.4872

Inverse Universe

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



43.5595, 0.3217, 0.3112



74.9316, 0.3236, 0.3076



43.1040, 0.3315, 0.3256



10.1786, 0.3196, 0.3151



8.4196, 0.4487, 0.2245



0.3770, 0.4129, 0.2048

Previews

White Background



This preview shows how the Yxy color 49.9406, 0.3047, 0.3475 looks on a white background.

Color Contrast Check

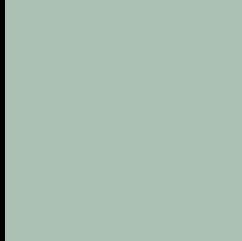
Large Text (above 18pt) WCAG AA × Fail

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 49.9406, 0.3047, 0.3475 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

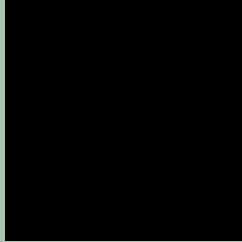
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

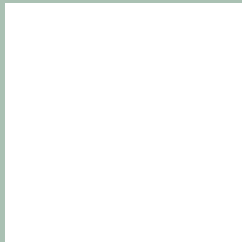
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9406, 0.3047, 0.3475

Background



This preview shows how black text looks on a background with the Yxy color 49.9406, 0.3047, 0.3475.



This preview shows how white text looks on a background with the Yxy color 49.9406, 0.3047, 0.3475.

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

49.9406, 0.3047, 0.3475

Protanopia

49.5504, 0.3273, 0.3430

Deuteranopia

49.6493, 0.3353, 0.3291



Tritanopia

49.7535, 0.2899, 0.3098

Trichromacy



Original Color

49.9406, 0.3047, 0.3475

Protanomaly

49.8441, 0.3194, 0.3458

Deuteranomaly

49.4625, 0.3243, 0.3353

Tritanomaly

49.6513, 0.2955, 0.3225

Monochromacy



Original Color

49.9406, 0.3047, 0.3475

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.0886, 0.3099, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9406, 0.3047, 0.3475 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, 193, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 193, 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(170, 193, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 193, 179) }
```

Border

The CSS property to change the border of an element to Yxy 49.9406, 0.3047, 0.3475 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, 193, 179) }
```

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

```
.border{ border-color:rgb(170, 193, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 193, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 193, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 193, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 193,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 49.9406, 0.3047, 0.3475$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 193, 179) }
```

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

```
.background{ background-color: rgb(170,  
193, 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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