

Converting Colors

$Y_{xy}(49.7514, 0.3071, 0.3264)$

Have a look what the booklet for
Yxy(49.7514, 0.3071, 0.3264)
contains.

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Color

Yxy(49.7514, 0.3071, 0.3264)

Conversions

Conversions Part 1

Format	Color
Hex	B7BCBE
RGB	183, 188, 190
RGB Percent	72%, 74%, 75%
CMY	0.2823, 0.2627, 0.2548
CMYK	0.04, 0.01, 0.00, 0.25
HSL	197°, 5%, 73%
HSV	197°, 4%, 75%
XYZ	46.8096, 49.7514, 55.8636
YIQ	186.7330, -3.6220, -0.4380

Conversions

Conversions Part 2

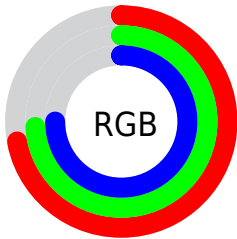
Format	Color
RYB	183, 186, 190
Decimal	12041406
CIELab	75.92, -1.34, -1.63
CIElCh	76, 2.112, 230.677
Yxy	49.7514, 0.3071, 0.3264
Android (android.graphics.Color)	4290231486 (0xFFB7BCBE)
YUV	186.7330, 1.6106, -3.2738
Hunter-Lab	70.5347, -4.9760, 2.4165

Details

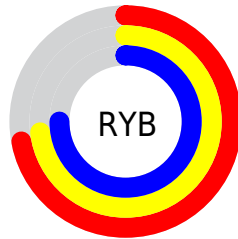
The Yxy color **49.7514, 0.3071, 0.3264** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **49.0823, 0.3185, 0.3316**, and the grayscale version is **49.5306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7059, 0.3083, 0.3270**, and **23.8799, 0.3051, 0.3255** is the 20% darker color. If you saturate the color by 10%, you get **45.2790, 0.2918, 0.3189**, and if you desaturate by 10%, it is **54.6317, 0.3223, 0.3332**.

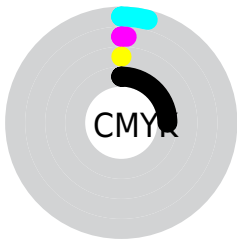
Distribution



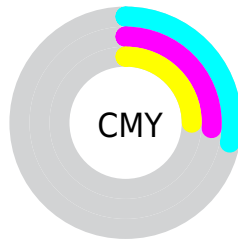
- Red (72%)
- Green (74%)
- Blue (75%)



- Red (72%)
- Yellow (73%)
- Blue (75%)



- Cyan (4%)
- Magenta (1%)
- Yellow (0%)
- Black (25%)



- Cyan (28%)
- Magenta (26%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7514, 0.3071, 0.3264 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 49.7514, 0.3071, 0.3264 by changing the saturation by 10% instead.

■ 49.7514, 0.3071,
0.3264

■ 49.7514, 0.3071,
0.3264

385.6930, 0.3099,
0.3277

■ 35.2159, 0.3064,
0.3261

■ 89.8064, 0.3081,
0.3269

■ 23.8292, 0.3055,
0.3257

116.0948, 0.3085,
0.3270

■ 15.2070, 0.3044,
0.3251

147.0695, 0.3088,
0.3272

■ 8.9648, 0.3028,
0.3244

183.1150, 0.3091,
0.3273

■ 4.7182, 0.3004,
0.3232

224.6157, 0.3093,
0.3274

■ 2.0829, 0.2966,
0.3214

271.9560, 0.3095,

■ 0.6550, 0.2847,

0.3275

0.3161

325.5203, 0.3097,
0.3276

0.0000, 0.0000,
0.0000

49.7514, 0.3071,
0.3264

49.7514, 0.3071,
0.3264

45.2790, 0.2918,
0.3189

54.6317, 0.3223,
0.3332

41.1948, 0.2767,
0.3106

59.9263, 0.3371,
0.3393

37.4863, 0.2620,
0.3016

65.6495, 0.3515,
0.3447

34.1383, 0.2481,
0.2919

71.0423, 0.3621,
0.3497

31.1342, 0.2352,
0.2818

73.7965, 0.3607,
0.3552

■ 28.4558, 0.2238,
0.2712

■ 76.6444, 0.3594,
0.3607

■ 26.0828, 0.2142,
0.2604

■ 79.5869, 0.3580,
0.3661

■ 23.9921, 0.2065,
0.2495

■ 82.6249, 0.3567,
0.3714

■ 22.1558, 0.2007,
0.2387

■ 85.7593, 0.3554,
0.3766

Harmonies

Analogous

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



49.7514, 0.3079, 0.3289



49.7514, 0.3071, 0.3264



49.7514, 0.3078, 0.3246

Triad

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



49.7514, 0.3071, 0.3264



49.7514, 0.3154, 0.3266



49.7514, 0.3157, 0.3340

Complementary

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



49.7514, 0.3071, 0.3264



49.0823, 0.3185, 0.3316

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.



49.7514, 0.3177, 0.3334



49.7514, 0.3071, 0.3264



49.7514, 0.3175, 0.3291

Square

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



49.7514, 0.3071, 0.3264



49.7514, 0.3125, 0.3248



49.7514, 0.3184, 0.3316



49.7514, 0.3129, 0.3333

Rectangle

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



49.7514, 0.3071, 0.3264



49.7514, 0.3090, 0.3241



49.7514, 0.3184, 0.3316



49.7514, 0.3165, 0.3340

Sweetspot

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



49.7535, 0.3071, 0.3264



92.4264, 0.3112, 0.3283



50.4084, 0.3108, 0.3354



20.3057, 0.3112, 0.3283



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.



49.7535, 0.3071, 0.3264



89.8192, 0.3065, 0.3261



48.2893, 0.3072, 0.3220



10.7964, 0.3056, 0.3257



14.1628, 0.1982, 0.2334



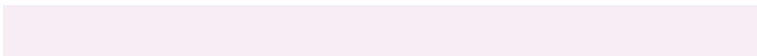
0.6618, 0.2053, 0.2590

Inverse Universe

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



48.4526, 0.3147, 0.3227



87.2323, 0.3149, 0.3221



50.5517, 0.3182, 0.3360



10.4388, 0.3153, 0.3210



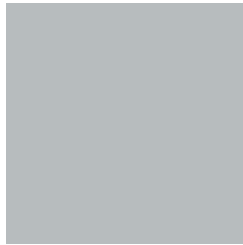
8.4594, 0.4091, 0.2027



0.3422, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 49.7514, 0.3071, 0.3264 looks on a white background.

Color Contrast Check

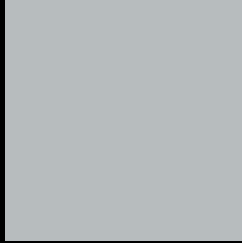
Large Text (above 18pt) WCAG AA × Fail

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 49.7514, 0.3071, 0.3264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

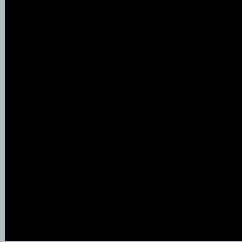
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

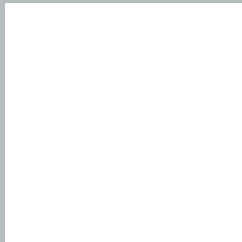
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7514, 0.3071, 0.3264

Background



This preview shows how black text looks on a background with the Yxy color 49.7514, 0.3071, 0.3264.

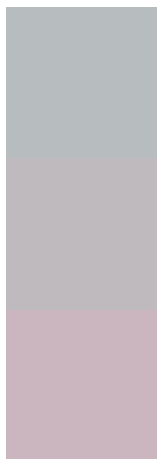


This preview shows how white text looks on a background with the Yxy color 49.7514, 0.3071, 0.3264.

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

49.7514, 0.3071, 0.3264

Protanopia

49.7391, 0.3137, 0.3252

Deuteranopia

49.5058, 0.3236, 0.3169



Tritanopia

49.6491, 0.3006, 0.3102

Trichromacy



Original Color

49.7514, 0.3071, 0.3264

Protanomaly

49.7796, 0.3112, 0.3265

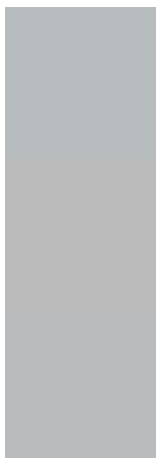
Deuteranomaly

49.7783, 0.3173, 0.3204

Tritanomaly

49.7622, 0.3027, 0.3164

Monochromacy



Original Color

49.7514, 0.3071, 0.3264

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6106, 0.3111, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7514, 0.3071, 0.3264 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(183, 188, 190)` looks like.

```
.text, #text, p{  
    color:rgb(183, 188, 190)  
}
```

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(183, 188, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 188, 190) }
```

Border

The CSS property to change the border of an element to Yxy 49.7514, 0.3071, 0.3264 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(183, 188, 190) }
```

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

```
.border{ border-color:rgb(183, 188, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 188, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 188, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 188, 190);  
box-shadow:4px 4px 4px 4px rgb(183, 188,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7514, 0.3071, 0.3264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 188, 190) }
```

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

```
.background{ background-color: rgb(183,  
188, 190) }
```

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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