

Converting Colors

$Y_{xy}(49.6521, 0.3172, 0.3338)$

Have a look what the booklet for
Yxy(49.6521, 0.3172, 0.3338)
contains.

Yxy(49.7784, 0.3175, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.7784, 0.3175, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	BDBBB7
RGB	189, 187, 183
RGB Percent	74%, 73%, 72%
CMY	0.2588, 0.2667, 0.2824
CMYK	0.00, 0.01, 0.03, 0.26
HSL	40°, 4%, 73%
HSV	40°, 3%, 74%
XYZ	47.3051, 49.7784, 51.9090
YIQ	187.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

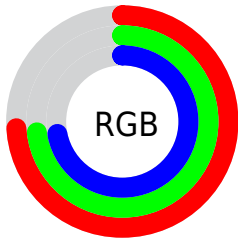
Format	Color
R _Y B	186, 189, 183
Decimal	12434359
CIE Lab	75.93, -0.02, 2.27
CIE LCh	76, 2.266, 90.547
Yxy	49.7784, 0.3175, 0.3341
Android (android.graphics.Color)	4290624439 (0xFFBDBBB7)
YUV	187.1420, -2.0420, 1.6295
Hunter-Lab	70.5538, -3.7880, 5.7659

Details

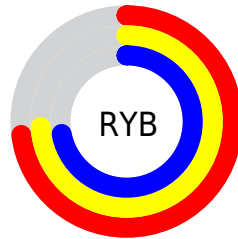
The Yxy color **49.7784, 0.3175, 0.3341** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.4394, 0.3080, 0.3238**, and the grayscale version is **49.7907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.7457, 0.3164, 0.3330**, and **23.8961, 0.3192, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **46.4265, 0.3336, 0.3507**, and if you desaturate by 10%, it is **53.3580, 0.3030, 0.3184**.

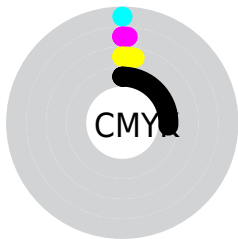
Distribution



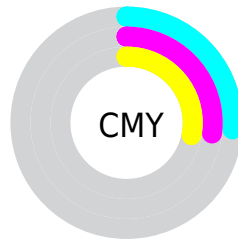
- Red (74%)
- Green (73%)
- Blue (72%)



- Red (73%)
- Yellow (74%)
- Blue (72%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (26%)



- Cyan (26%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7784, 0.3175, 0.3341 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 49.7784, 0.3175, 0.3341 by changing the saturation by 10% instead.

■ 49.7784, 0.3175,
0.3341

■ 49.7784, 0.3175,
0.3341

385.7987, 0.3151,
0.3316

■ 35.2374, 0.3181,
0.3347

■ 89.8465, 0.3166,
0.3332

■ 23.8458, 0.3188,
0.3355

116.1423, 0.3163,
0.3329

■ 15.2193, 0.3198,
0.3366

147.1251, 0.3161,
0.3326

■ 8.9734, 0.3212,
0.3380

183.1794, 0.3158,
0.3323

■ 4.7238, 0.3232,
0.3402

224.6895, 0.3156,
0.3321

■ 2.0862, 0.3265,
0.3437

272.0398, 0.3154,

■ 0.6568, 0.3395,

0.3319

0.3575

325.6148, 0.3153,
0.3317

0.0000, 0.0000,
0.0000

49.7784, 0.3175,
0.3341

49.7784, 0.3175,
0.3341

46.4265, 0.3336,
0.3507

53.3580, 0.3030,
0.3184

43.2901, 0.3512,
0.3679

57.1643, 0.2901,
0.3038

40.3654, 0.3703,
0.3854

61.2045, 0.2785,
0.2903

37.6461, 0.3906,
0.4024

65.2499, 0.2703,
0.2815

35.1255, 0.4116,
0.4182

68.4719, 0.2709,
0.2887

■ 32.7961, 0.4324,
0.4317

■ 71.8186, 0.2716,
0.2959

■ 30.6498, 0.4522,
0.4417

■ 75.2913, 0.2723,
0.3029

■ 28.6778, 0.4700,
0.4474

■ 78.8915, 0.2729,
0.3099

■ 26.8694, 0.4848,
0.4480

■ 82.6204, 0.2736,
0.3169

Harmonies

Analogous

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



49.7784, 0.3187, 0.3325



49.7784, 0.3175, 0.3341



49.7784, 0.3150, 0.3343

Triad

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



49.7784, 0.3175, 0.3341



49.7784, 0.3071, 0.3280



49.7784, 0.3136, 0.3250

Complementary

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



49.7784, 0.3175, 0.3341



48.4394, 0.3080, 0.3238

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.



49.7784, 0.3105, 0.3238



49.7784, 0.3175, 0.3341



49.7784, 0.3067, 0.3255

Square

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



49.7784, 0.3175, 0.3341



49.7784, 0.3090, 0.3307



49.7784, 0.3080, 0.3240



49.7784, 0.3165, 0.3273

Rectangle

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



49.7784, 0.3175, 0.3341



49.7784, 0.3129, 0.3336



49.7784, 0.3080, 0.3240



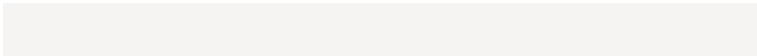
49.7784, 0.3125, 0.3245

Sweetspot

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



49.7806, 0.3175, 0.3341



90.4994, 0.3142, 0.3306



48.1906, 0.3162, 0.3263



19.4686, 0.3141, 0.3305



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.



49.7806, 0.3175, 0.3341



88.6004, 0.3188, 0.3355



50.5245, 0.3166, 0.3367



10.9194, 0.3198, 0.3365



17.4466, 0.4923, 0.4473



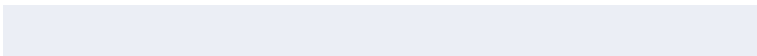
0.7991, 0.4708, 0.4644

Inverse Universe

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



48.4394, 0.3080, 0.3238



85.5546, 0.3066, 0.3224



47.7152, 0.3088, 0.3213



10.4874, 0.3057, 0.3214



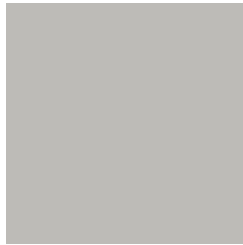
4.9988, 0.1639, 0.1101



0.3186, 0.1780, 0.1606

Previews

White Background



This preview shows how the Yxy color 49.7784, 0.3175, 0.3341 looks on a white background.

Color Contrast Check

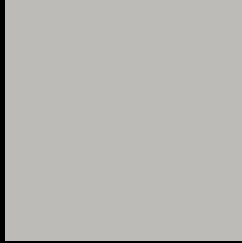
Large Text (above 18pt) WCAG AA × Fail

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 49.7784, 0.3175, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

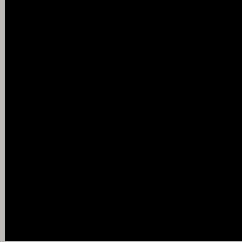
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

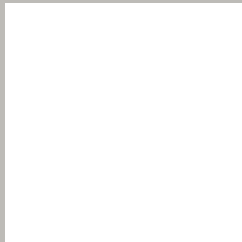
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.7784, 0.3175, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 49.7784, 0.3175, 0.3341.



This preview shows how white text looks on a background with the Yxy color 49.7784, 0.3175, 0.3341.

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

49.7784, 0.3175, 0.3341

Protanopia

49.6131, 0.3193, 0.3328

Deuteranopia

49.6303, 0.3320, 0.3254



Tritanopia

49.8978, 0.3069, 0.3116

Trichromacy



Original Color

49.7784, 0.3175, 0.3341

Protanomaly

49.4839, 0.3184, 0.3328

Deuteranomaly

49.6070, 0.3265, 0.3278

Tritanomaly

49.9152, 0.3106, 0.3202

Monochromacy



Original Color

49.7784, 0.3175, 0.3341

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.7772, 0.3143, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7784, 0.3175, 0.3341 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(189, 187, 183)` looks like.

```
.text, #text, p{  
    color:rgb(189, 187, 183)  
}
```

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(189, 187, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 187, 183) }
```

Border

The CSS property to change the border of an element to Yxy 49.7784, 0.3175, 0.3341 is called "border". The border property can be set on classes, ids or directly on the HTML element.

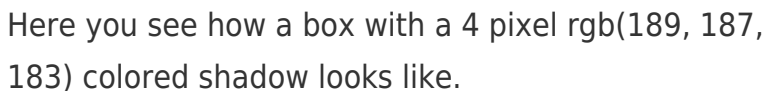
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 187, 183) }
```

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

```
.border{ border-color:rgb(189, 187, 183) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 187, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 187, 183); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 187, 183); box-shadow:4px 4px 4px 4px rgb(189, 187, 183) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7784, 0.3175, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 187, 183) }
```

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

```
.background{ background-color: rgb(189,  
187, 183) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor