

Converting Colors

$Yxy(49.6829, 0.3399, 0.3427)$

Have a look what the booklet for
Yxy(49.6829, 0.3399, 0.3427)
contains.

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Color

Yxy(49.6829, 0.3399, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	CCB7AC
RGB	204, 183, 172
RGB Percent	80%, 72%, 67%
CMY	0.2001, 0.2823, 0.3255
CMYK	0.00, 0.10, 0.16, 0.20
HSL	21°, 24%, 74%
HSV	21°, 16%, 80%
XYZ	49.2770, 49.6829, 46.0150
YIQ	188.0250, 16.0470, 1.0310

Conversions

Conversions Part 2

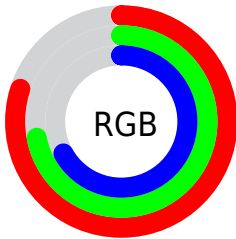
Format	Color
R_{YB}	204, 189, 172
Decimal	13416364
CIE _{Lab}	75.87, 5.66, 8.32
CIE _{LCh}	76, 10.062, 55.750
Yxy	49.6829, 0.3399, 0.3427
Android (android.graphics.Color)	4291606444 (0xFFCCB7AC)
YUV	188.0250, -7.9003, 14.0101
Hunter-Lab	70.4861, 1.4390, 10.6343

Details

The Yxy color `49.6829, 0.3399, 0.3427` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `51.2490, 0.2886, 0.3149`, and the grayscale version is `50.3429, 0.3127, 0.3290`.

A 20% lighter version of the original color is `88.5391, 0.3310, 0.3409`, and `23.8054, 0.3478, 0.3457` is the 20% darker color. If you saturate the color by 10%, you get `43.7044, 0.3612, 0.3520`, and if you desaturate by 10%, it is `56.3101, 0.3218, 0.3338`.

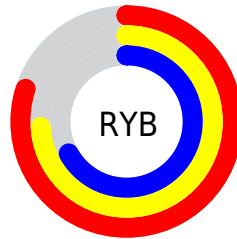
Distribution



Red (80%)

Green (72%)

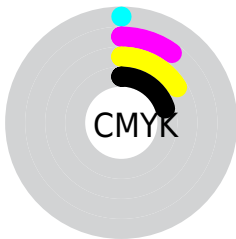
Blue (67%)



Red (80%)

Yellow (74%)

Blue (67%)

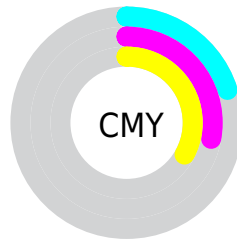


Cyan (0%)

Magenta (10%)

Yellow (16%)

Black (20%)



Cyan (20%)


Magenta (28%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6829, 0.3399, 0.3427 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 49.6829, 0.3399, 0.3427 by changing the saturation by 10% instead.


 49.6829, 0.3399,
0.3427

 49.6829, 0.3399,
0.3427


385.4246, 0.3264,
0.3361

 35.1615, 0.3433,
0.3443


 89.7049, 0.3350,
0.3403

 23.7873, 0.3475,
0.3463


115.9742, 0.3332,
0.3394

 15.1759, 0.3532,
0.3489


146.9284, 0.3316,
0.3387

 8.9429, 0.3611,
0.3525

182.9517, 0.3303,
0.3380

 4.7040, 0.3728,
0.3575

224.4286, 0.3291,
0.3374

 2.0746, 0.3918,
0.3652

271.7434, 0.3281,

 0.6503, 0.4933,

0.3369

0.4241

325.2806, 0.3272,
0.3365

0.0000, 0.0000,
0.0000

49.6829, 0.3399,
0.3427

49.6829, 0.3399,
0.3427

43.7044, 0.3612,
0.3520

56.3101, 0.3218,
0.3338

38.3478, 0.3860,
0.3615

63.5983, 0.3064,
0.3255

33.5945, 0.4144,
0.3706

71.5680, 0.2933,
0.3178

29.4219, 0.4463,
0.3786

80.2368, 0.2822,
0.3108

25.8063, 0.4805,
0.3843

88.3382, 0.2824,
0.3236

■ 22.7220, 0.5154,
0.3866

■ 91.5749, 0.2827,
0.3289

■ 20.1409, 0.5481,
0.3842

■ 18.0313, 0.5755,
0.3769

■ 17.2518, 0.5860,
0.3729

Harmonies

Analogous

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



49.6829, 0.3370, 0.3313



49.6829, 0.3399, 0.3427



49.6829, 0.3353, 0.3508

Triad

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



49.6829, 0.3399, 0.3427



49.6829, 0.2980, 0.3386



49.6829, 0.3005, 0.3059

Complementary

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



49.6829, 0.3399, 0.3427



51.2490, 0.2886, 0.3149

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.



49.6829, 0.2904, 0.3073



49.6829, 0.3399, 0.3427



49.6829, 0.2890, 0.3259

Square

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



49.6829, 0.3399, 0.3427



49.6829, 0.3110, 0.3487



49.6829, 0.2863, 0.3145



49.6829, 0.3140, 0.3104

Rectangle

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



49.6829, 0.3399, 0.3427



49.6829, 0.3287, 0.3531



49.6829, 0.2863, 0.3145



49.6829, 0.2966, 0.3057

Sweetspot

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



49.6851, 0.3399, 0.3427



93.9896, 0.3207, 0.3333



46.1995, 0.3234, 0.3030



19.9417, 0.3219, 0.3339



0.0000, 0.0000, 0.0000



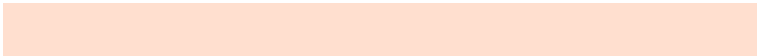
21.4041, 0.3127, 0.3290

Same Dimension

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



49.6851, 0.3399, 0.3427



78.6497, 0.3471, 0.3460



56.4990, 0.3370, 0.3614



11.8353, 0.3282, 0.3370



11.0178, 0.5834, 0.3750



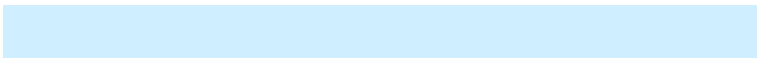
0.7093, 0.5454, 0.4052

Inverse Universe

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



51.2490, 0.2886, 0.3149



81.7472, 0.2831, 0.3114



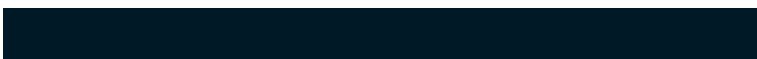
44.6987, 0.2878, 0.2944



12.0508, 0.2983, 0.3208



13.6033, 0.1925, 0.2131



0.8398, 0.1996, 0.2384

Previews

White Background



This preview shows how the Yxy color 49.6829, 0.3399, 0.3427 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 49.6829, 0.3399, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

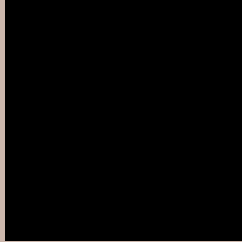
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6829, 0.3399, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 49.6829, 0.3399, 0.3427.



This preview shows how white text looks on a background with the Yxy color 49.6829, 0.3399, 0.3427.

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

49.6829, 0.3399, 0.3427

Protanopia

49.6431, 0.3290, 0.3442

Deuteranopia

49.8752, 0.3465, 0.3400



Tritanopia

49.8030, 0.3247, 0.3122

Trichromacy



Original Color

49.6829, 0.3399, 0.3427

Protanomaly

49.7208, 0.3334, 0.3441

Deuteranomaly

49.8444, 0.3437, 0.3413

Tritanomaly

49.7147, 0.3303, 0.3230

Monochromacy



Original Color

49.6829, 0.3399, 0.3427

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.9645, 0.3226, 0.3340

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6829, 0.3399, 0.3427 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(204, 183, 172)` looks like.

```
.text, #text, p{  
    color:rgb(204, 183, 172)  
}
```

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(204, 183, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 183, 172) }
```

Border

The CSS property to change the border of an element to Yxy 49.6829, 0.3399, 0.3427 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(204, 183, 172) }
```

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

```
.border{ border-color:rgb(204, 183, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 183, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 183, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 183, 172);  
box-shadow:4px 4px 4px 4px rgb(204, 183,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6829, 0.3399, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 183, 172) }
```

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

```
.background{ background-color: rgb(204,  
183, 172) }
```

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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