

Converting Colors

$Yxy(48.9953, 0.3327, 0.3442)$

Have a look what the booklet for
Yxy(48.9953, 0.3327, 0.3442)
contains.

Yxy(48.9953, 0.3327, 0.3442)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(48.9953, 0.3327, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	C4B8AC
RGB	196, 184, 172
RGB Percent	77%, 72%, 67%
CMY	0.2312, 0.2785, 0.3255
CMYK	0.00, 0.06, 0.12, 0.23
HSL	30°, 17%, 72%
HSV	30°, 12%, 77%
XYZ	47.3583, 48.9953, 45.9918
YIQ	186.2200, 11.0040, -1.1880

Conversions

Conversions Part 2

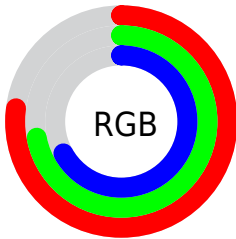
Format	Color
RYB	196, 196, 172
Decimal	12892332
CIELab	75.45, 2.22, 7.61
CIELCh	75, 7.924, 73.762
Yxy	48.9953, 0.3327, 0.3442
Android (android.graphics.Color)	4291082412 (0xFFC4B8AC)
YUV	186.2200, -7.0105, 8.5771
Hunter-Lab	69.9966, -1.7246, 10.0407

Details

The Yxy color **48.9953, 0.3327, 0.3442** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **47.0570, 0.2938, 0.3133**, and the grayscale version is **49.2713, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.7489, 0.3295, 0.3419**, and **23.3394, 0.3378, 0.3479** is the 20% darker color. If you saturate the color by 10%, you get **44.3591, 0.3516, 0.3573**, and if you desaturate by 10%, it is **54.0302, 0.3162, 0.3317**.

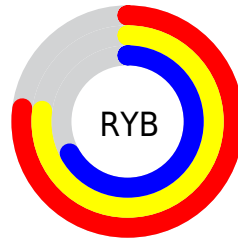
Distribution



Red (77%)

Green (72%)

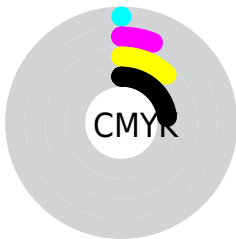
Blue (67%)



Red (77%)

Yellow (77%)

Blue (67%)

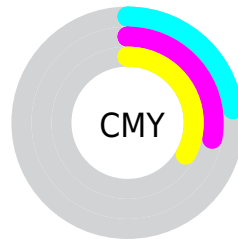


Cyan (0%)

Magenta (6%)

Yellow (12%)

Black (23%)



Cyan (23%)


Magenta (28%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.9953, 0.3327, 0.3442 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 48.9953, 0.3327, 0.3442 by changing the saturation by 10% instead.


 48.9953, 0.3327,
0.3442

 48.9953, 0.3327,
0.3442


382.7238, 0.3228,
0.3367

 34.6158, 0.3352,
0.3460


 88.6845, 0.3291,
0.3415

 23.3670, 0.3383,
0.3484


114.7629, 0.3277,
0.3405

 14.8648, 0.3425,
0.3515


145.5097, 0.3266,
0.3396

 8.7245, 0.3483,
0.3557

181.3093, 0.3256,
0.3389

 4.5619, 0.3569,
0.3619

222.5462, 0.3248,
0.3382

 1.9926, 0.3710,
0.3718

269.6046, 0.3240,

 0.6032, 0.4629,

0.3377

0.4450

322.8690, 0.3234,
0.3372

0.0000, 0.0000,
0.0000

48.9953, 0.3327,
0.3442

48.9953, 0.3327,
0.3442

44.3591, 0.3516,
0.3573

54.0302, 0.3162,
0.3317

40.1047, 0.3729,
0.3708

59.4675, 0.3017,
0.3200

36.2231, 0.3966,
0.3840

65.3190, 0.2891,
0.3092

32.7025, 0.4224,
0.3963

71.5941, 0.2782,
0.2992

29.5306, 0.4496,
0.4065

77.2961, 0.2765,
0.3054

■ 26.6937, 0.4770,
0.4135

■ 83.0160, 0.2774,
0.3161

■ 24.1771, 0.5031,
0.4161

■ 89.0504, 0.2782,
0.3265

■ 21.9643, 0.5260,
0.4133

■ 90.4803, 0.2784,
0.3289

■ 20.4414, 0.5416,
0.4082

Harmonies

Analogous

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



48.9953, 0.3340, 0.3365



48.9953, 0.3327, 0.3442



48.9953, 0.3260, 0.3480

Triad

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



48.9953, 0.3327, 0.3442



48.9953, 0.2962, 0.3307



48.9953, 0.3094, 0.3123

Complementary

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



48.9953, 0.3327, 0.3442



47.0570, 0.2938, 0.3133

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.



48.9953, 0.2994, 0.3105



48.9953, 0.3327, 0.3442



48.9953, 0.2919, 0.3209

Square

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



48.9953, 0.3327, 0.3442



48.9953, 0.3049, 0.3401



48.9953, 0.2931, 0.3136



48.9953, 0.3204, 0.3183

Rectangle

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



48.9953, 0.3327, 0.3442



48.9953, 0.3194, 0.3476



48.9953, 0.2931, 0.3136



48.9953, 0.3058, 0.3112

Sweetspot

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



48.9975, 0.3327, 0.3442



96.1430, 0.3190, 0.3339



44.7250, 0.3239, 0.3134



20.4262, 0.3202, 0.3349



0.0000, 0.0000, 0.0000



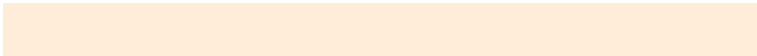
21.4041, 0.3127, 0.3290

Same Dimension

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



48.9975, 0.3327, 0.3442



86.1533, 0.3381, 0.3481



54.0335, 0.3309, 0.3584



10.8896, 0.3277, 0.3405



13.3017, 0.5395, 0.4099



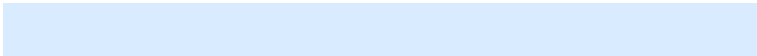
0.7126, 0.5057, 0.4366

Inverse Universe

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



47.0570, 0.2938, 0.3133



81.8748, 0.2891, 0.3092



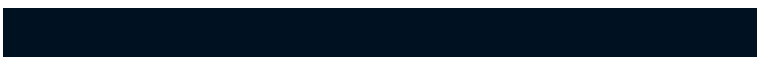
42.4172, 0.2935, 0.2978



10.5631, 0.2984, 0.3172



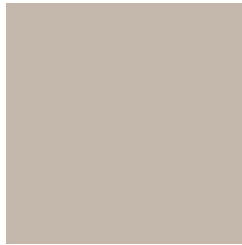
8.3701, 0.1778, 0.1599



0.4995, 0.1890, 0.2004

Previews

White Background



This preview shows how the Yxy color 48.9953, 0.3327, 0.3442 looks on a white background.

Color Contrast Check

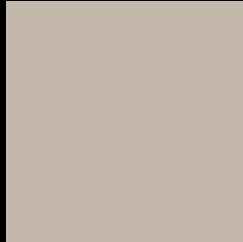
Large Text (above 18pt) WCAG AA × Fail

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 48.9953, 0.3327, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

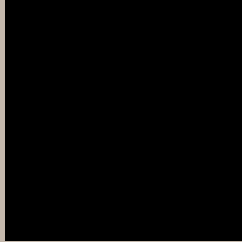
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.9953, 0.3327, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 48.9953, 0.3327, 0.3442.



This preview shows how white text looks on a background with the Yxy color 48.9953, 0.3327, 0.3442.

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

48.9953, 0.3327, 0.3442

Protanopia

48.9215, 0.3282, 0.3443

Deuteranopia

48.8126, 0.3443, 0.3364



Tritanopia

49.1300, 0.3169, 0.3119

Trichromacy



Original Color

48.9953, 0.3327, 0.3442

Protanomaly

49.0525, 0.3291, 0.3443

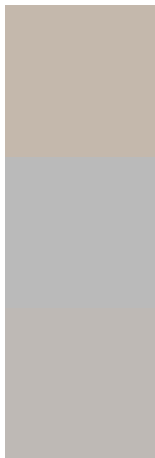
Deuteranomaly

48.9022, 0.3394, 0.3390

Tritanomaly

49.0495, 0.3224, 0.3228

Monochromacy



Original Color

48.9953, 0.3327, 0.3442

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.9813, 0.3201, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.9953, 0.3327, 0.3442 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(196, 184, 172)` looks like.

```
.text, #text, p{  
    color:rgb(196, 184, 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(196, 184, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 184, 172) }
```

Border

The CSS property to change the border of an element to Yxy 48.9953, 0.3327, 0.3442 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(196, 184, 172) }
```

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

```
.border{ border-color:rgb(196, 184, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 184, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 184, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 184, 172);  
box-shadow:4px 4px 4px 4px rgb(196, 184,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 48.9953, 0.3327, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 184, 172) }
```

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

```
.background{ background-color: rgb(196,  
184, 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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