

Converting Colors

Yxy(46.2828, 0.3528, 0.3610)

Have a look what the booklet for
Yxy(46.2828, 0.3528, 0.3610)
contains.

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Color

Yxy(46.2828, 0.3528, 0.3610)

Conversions

Conversions Part 1

Format	Color
Hex	C7B299
RGB	199, 178, 153
RGB Percent	78%, 70%, 60%
CMY	0.2195, 0.3020, 0.3999
CMYK	0.00, 0.11, 0.23, 0.22
HSL	33°, 29%, 69%
HSV	33°, 23%, 78%
XYZ	45.2315, 46.2828, 36.6929
YIQ	181.4290, 20.5410, -3.3230

Conversions

Conversions Part 2

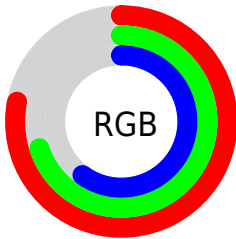
Format	Color
RYB	192, 199, 153
Decimal	13087385
CIELab	73.73, 3.60, 15.53
CIELCh	74, 15.939, 76.934
Yxy	46.2828, 0.3528, 0.3610
Android (android.graphics.Color)	4291277465 (0xFFC7B299)
YUV	181.4290, -14.0155, 15.4098
Hunter-Lab	68.0315, -0.3773, 15.6438

Details

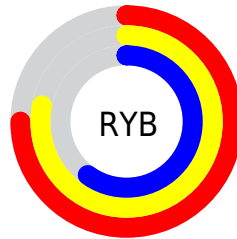
The Yxy color $46.2828, 0.3528, 0.3610$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $41.1951, 0.2762, 0.2947$, and the grayscale version is $46.5254, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.6106, 0.3448, 0.3561$, and $21.6463, 0.3649, 0.3689$ is the 20% darker color. If you saturate the color by 10%, you get $42.1784, 0.3737, 0.3756$, and if you desaturate by 10%, it is $50.7415, 0.3341, 0.3467$.

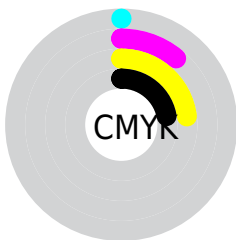
Distribution



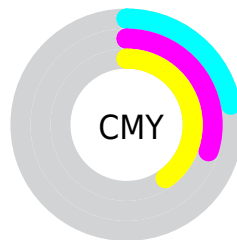
- Red (78%)
- Green (70%)
- Blue (60%)



- Red (75%)
- Yellow (78%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (23%)
- Black (22%)




- Cyan (22%)
- Magenta (30%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.2828, 0.3528, 0.3610 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 46.2828, 0.3528, 0.3610 by changing the saturation by 10% instead.


 46.2828, 0.3528,
0.3610

 46.2828, 0.3528,
0.3610


371.9444, 0.3327,
0.3452

 32.4690, 0.3578,
0.3649


 84.6421, 0.3455,
0.3553

 21.7200, 0.3643,
0.3698


 109.9564, 0.3427,
0.3531

 13.6513, 0.3728,
0.3763


139.8730, 0.3404,
0.3513

 7.8786, 0.3847,
0.3850

174.7763, 0.3384,
0.3497

 4.0173, 0.4022,
0.3976

215.0507, 0.3367,
0.3484

 1.6833, 0.4356,
0.4217

261.0806, 0.3352,

 0.4128, 0.5378,

0.3472

0.4622

313.2504, 0.3339,
0.3461

0.0000, 0.0000,
0.0000

46.2828, 0.3528,
0.3610

46.2828, 0.3528,
0.3610

42.1784, 0.3737,
0.3756

50.7415, 0.3341,
0.3467

38.4119, 0.3967,
0.3898

55.5576, 0.3175,
0.3331

34.9748, 0.4213,
0.4030

60.7426, 0.3029,
0.3203

31.8556, 0.4469,
0.4140

66.3050, 0.2901,
0.3084

29.0420, 0.4722,
0.4215

72.2533, 0.2789,
0.2974

■ 26.5203, 0.4959,
0.4246

■ 77.4210, 0.2782,
0.3049

■ 24.2751, 0.5164,
0.4223

■ 82.6966, 0.2790,
0.3148

■ 22.8756, 0.5289,
0.4182

■ 88.2418, 0.2797,
0.3245

■ 90.8872, 0.2800,
0.3289

Harmonies

Analogous

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



46.2828, 0.3569, 0.3455



46.2828, 0.3528, 0.3610



46.2828, 0.3377, 0.3684

Triad

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



46.2828, 0.3528, 0.3610



46.2828, 0.2778, 0.3298



46.2828, 0.3079, 0.2964

Complementary

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



46.2828, 0.3528, 0.3610



41.1951, 0.2762, 0.2947

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.



46.2828, 0.2873, 0.2917



46.2828, 0.3528, 0.3610



46.2828, 0.2704, 0.3100

Square

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



46.2828, 0.3528, 0.3610



46.2828, 0.2944, 0.3503



46.2828, 0.2738, 0.2963



46.2828, 0.3305, 0.3090

Rectangle

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



46.2828, 0.3528, 0.3610



46.2828, 0.3238, 0.3672



46.2828, 0.2738, 0.2963



46.2828, 0.3005, 0.2938

Sweetspot

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



46.2849, 0.3528, 0.3610



93.8051, 0.3238, 0.3384



38.0102, 0.3383, 0.3016



19.9671, 0.3248, 0.3393



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.



46.2849, 0.3528, 0.3610



77.1316, 0.3636, 0.3687



55.1026, 0.3460, 0.3864



11.5746, 0.3276, 0.3415



14.8806, 0.5270, 0.4198



0.8482, 0.4987, 0.4423

Inverse Universe

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



41.1951, 0.2762, 0.2947



66.6019, 0.2674, 0.2857



33.8372, 0.2751, 0.2650



11.0732, 0.2983, 0.3161



7.6340, 0.1737, 0.1454



0.5059, 0.1849, 0.1856

Previews

White Background



This preview shows how the Yxy color 46.2828, 0.3528, 0.3610 looks on a white background.

Color Contrast Check

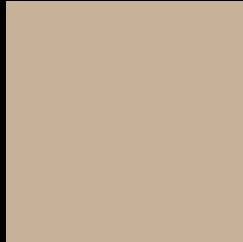
Large Text (above 18pt) WCAG AA × Fail

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 46.2828, 0.3528, 0.3610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

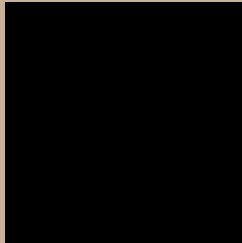
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.2828, 0.3528, 0.3610

Background



This preview shows how black text looks on a background with the Yxy color 46.2828, 0.3528, 0.3610.



This preview shows how white text looks on a background with the Yxy color 46.2828, 0.3528, 0.3610.

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

46.2828, 0.3528, 0.3610

Protanopia

46.4572, 0.3438, 0.3643

Deuteranopia

46.1605, 0.3624, 0.3540



Tritanopia

46.1715, 0.3278, 0.3118

Trichromacy



Original Color

46.2828, 0.3528, 0.3610

Protanomaly

46.4449, 0.3468, 0.3627

Deuteranomaly

45.9722, 0.3583, 0.3555

Tritanomaly

46.3116, 0.3370, 0.3291

Monochromacy



Original Color

46.2828, 0.3528, 0.3610

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

46.2742, 0.3270, 0.3407

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.2828, 0.3528, 0.3610 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(199, 178, 153)` looks like.

```
.text, #text, p{  
    color:rgb(199, 178, 153)  
}
```

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(199, 178, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 178, 153) }
```

Border

The CSS property to change the border of an element to Yxy 46.2828, 0.3528, 0.3610 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(199, 178, 153) }
```

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

```
.border{ border-color:rgb(199, 178, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 178, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 178, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 178, 153);  
box-shadow:4px 4px 4px 4px rgb(199, 178,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 46.2828, 0.3528, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 178, 153) }
```

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

```
.background{ background-color: rgb(199,  
178, 153) }
```

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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