

# Converting Colors

$Y_{xy}(45.7999, 0.3291, 0.3379)$

Have a look what the booklet for  
Yxy(45.7999, 0.3291, 0.3379)  
contains.

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# Color

**Yxy(45.7282, 0.3291, 0.3381)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">BEB2AB</a>
RGB	<a href="#">190, 178, 171</a>
RGB Percent	<a href="#">75%, 70%, 67%</a>
CMY	<a href="#">0.2548, 0.3020, 0.3294</a>
CMYK	<a href="#">0.00, 0.06, 0.10, 0.25</a>
HSL	<a href="#">22°, 13%, 71%</a>
HSV	<a href="#">22°, 10%, 75%</a>
XYZ	<a href="#">44.5109, 45.7282, 45.0114</a>
YIQ	<a href="#">180.7900, 9.3990, 0.3670</a>

# Conversions

## Conversions Part 2

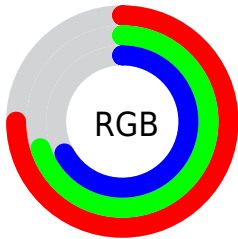
<b>Format</b>	<b>Color</b>
<b>RYB</b>	190, 182, 171
Decimal	12497579
CIELab	73.37, 3.07, 5.10
CIELCh	73, 5.950, 58.931
Yxy	45.7282, 0.3291, 0.3381
Android (android.graphics.Color)	4290687659 (0xFFBEB2AB)
YUV	180.7900, -4.8265, 8.0772
Hunter-Lab	67.6226, -0.8463, 7.8709

# Details

The Yxy color **45.7282, 0.3291, 0.3381** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **46.2585, 0.2974, 0.3197**, and the grayscale version is **46.1145, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9295, 0.3260, 0.3371**, and **21.3175, 0.3343, 0.3397** is the 20% darker color. If you saturate the color by 10%, you get **40.4821, 0.3483, 0.3478**, and if you desaturate by 10%, it is **51.5016, 0.3127, 0.3290**.

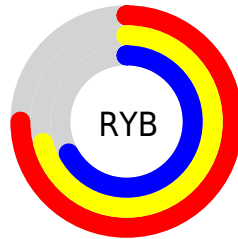
# Distribution



Red (75%)

Green (70%)

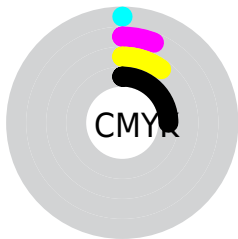
Blue (67%)



Red (75%)

Yellow (71%)

Blue (67%)

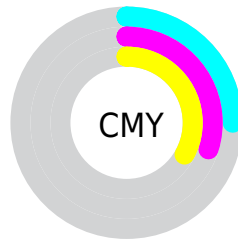


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (25%)



Cyan (25%)

Magenta (30%)


Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.7282, 0.3291, 0.3381 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 45.7282, 0.3291, 0.3381 by changing the saturation by 10% instead.





 45.7282, 0.3291,  
0.3381

 45.7282, 0.3291,  
0.3381


369.7148, 0.3209,  
0.3336

 32.0314, 0.3312,  
0.3392


 83.8121, 0.3261,  
0.3365

 21.3855, 0.3339,  
0.3407


108.9679, 0.3250,  
0.3359

 13.4061, 0.3374,  
0.3426


138.7123, 0.3240,  
0.3353

 7.7088, 0.3425,  
0.3452

173.4295, 0.3232,  
0.3349

 3.9092, 0.3501,  
0.3491

213.5039, 0.3225,  
0.3345

 1.6229, 0.3630,  
0.3554

259.3201, 0.3219,

 0.3729, 0.5039,

0.3342

0.4377

311.2622, 0.3213,  
0.3339

0.0000, 0.0000,  
0.0000

45.7282, 0.3291,  
0.3381

45.7282, 0.3291,  
0.3381

40.4821, 0.3483,  
0.3478

51.5016, 0.3127,  
0.3290

35.7420, 0.3706,  
0.3578

57.8106, 0.2988,  
0.3206

31.4941, 0.3963,  
0.3677

64.6711, 0.2869,  
0.3128

27.7217, 0.4254,  
0.3770

72.0966, 0.2767,  
0.3057

24.4069, 0.4573,  
0.3847

79.3696, 0.2735,  
0.3106

■ 21.5307, 0.4909,  
0.3897

■ 86.6063, 0.2747,  
0.3237

■ 19.0726, 0.5240,  
0.3907

■ 89.6902, 0.2752,  
0.3289

■ 17.0096, 0.5539,  
0.3867

■ 15.3110, 0.5790,  
0.3785

# Harmonies

## Analogous

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



45.7282, 0.3278, 0.3313



45.7282, 0.3291, 0.3381



45.7282, 0.3259, 0.3426

# Triad

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



45.7282, 0.3291, 0.3381



45.7282, 0.3030, 0.3340



45.7282, 0.3061, 0.3150

# Complementary

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



45.7282, 0.3291, 0.3381



46.2585, 0.2974, 0.3197

# 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.



45.7282, 0.2996, 0.3155



45.7282, 0.3291, 0.3381



45.7282, 0.2978, 0.3264

# Square

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



45.7282, 0.3291, 0.3381



45.7282, 0.3108, 0.3403



45.7282, 0.2966, 0.3197



45.7282, 0.3145, 0.3181



# Rectangle

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



45.7282, 0.3291, 0.3381



45.7282, 0.3217, 0.3436



45.7282, 0.2966, 0.3197



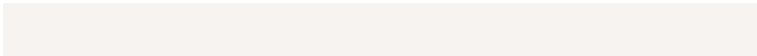
45.7282, 0.3037, 0.3147

# Sweetspot

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



45.7302, 0.3291, 0.3381



90.0210, 0.3174, 0.3317



43.4997, 0.3197, 0.3135



19.5784, 0.3187, 0.3324



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

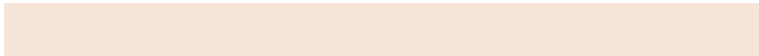


# Same Dimension

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



45.7302, 0.3291, 0.3381



80.6877, 0.3330, 0.3402



49.6389, 0.3278, 0.3501



10.0952, 0.3279, 0.3375



10.3165, 0.5766, 0.3804



0.5302, 0.5309, 0.4166



# Inverse Universe

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



46.2585, 0.2974, 0.3197



81.8361, 0.2941, 0.3176



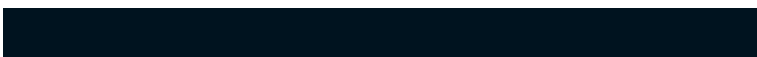
42.4731, 0.2973, 0.3069



10.2038, 0.2985, 0.3204



11.5844, 0.1904, 0.2055



0.5746, 0.1996, 0.2384



# Previews

## White Background



This preview shows how the Yxy color 45.7282, 0.3291, 0.3381 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

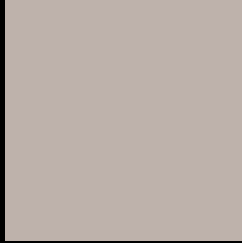
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.7282, 0.3291, 0.3381 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

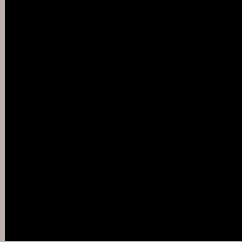
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

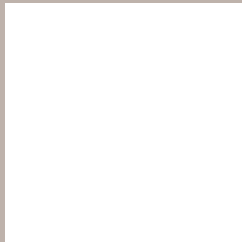
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.7282, 0.3291, 0.3381**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.7282, 0.3291, 0.3381.



This preview shows how white text looks on a background with the Yxy color 45.7282, 0.3291, 0.3381.

# 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

45.7282, 0.3291, 0.3381

### Protanopia

45.5330, 0.3237, 0.3382

### Deuteranopia

45.6682, 0.3389, 0.3316



## Tritanopia

45.6715, 0.3171, 0.3114

# Trichromacy



## Original Color

45.7282, 0.3291, 0.3381

## Protanomaly

45.7836, 0.3254, 0.3382

## Deuteranomaly

45.5088, 0.3350, 0.3329

## Tritanomaly

45.6345, 0.3219, 0.3214

# Monochromacy



## Original Color

45.7282, 0.3291, 0.3381

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.0072, 0.3186, 0.3329

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.7282, 0.3291, 0.3381 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(190, 178, 171)` looks like.

```
.text, #text, p{  
    color:rgb(190, 178, 171)  
}
```

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(190, 178, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 178, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 45.7282, 0.3291, 0.3381 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(190, 178, 171) }
```

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

```
.border{ border-color:rgb(190, 178, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 178, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 178, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 178, 171);  
box-shadow:4px 4px 4px 4px rgb(190, 178,  
171) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.7282, 0.3291, 0.3381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 178, 171) }
```

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

```
.background{ background-color: rgb(190,  
178, 171) }
```

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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