

Converting Colors

$Y_{xy}(47.8512, 0.3143, 0.3261)$

Have a look what the booklet for
Yxy(47.8512, 0.3143, 0.3261)
contains.

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Color

Yxy(47.9346, 0.3145, 0.3265)

Conversions

Conversions Part 1

Format	Color
Hex	BBB7B9
RGB	187, 183, 185
RGB Percent	73%, 72%, 73%
CMY	0.2669, 0.2823, 0.2746
CMYK	0.00, 0.02, 0.01, 0.27
HSL	330°, 3%, 73%
HSV	330°, 2%, 73%
XYZ	46.1728, 47.9346, 52.7060
YIQ	184.4240, 1.7420, 1.4700

Conversions

Conversions Part 2

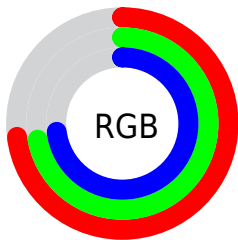
Format	Color
R_{YB}	187, 183, 185
Decimal	12302265
CIE Lab	74.78, 1.75, -0.51
CIE LCh	75, 1.819, 343.666
Yxy	47.9346, 0.3145, 0.3265
Android (android.graphics.Color)	4290492345 (0xFFBBB7B9)
YUV	184.4240, 0.2840, 2.2592
Hunter-Lab	69.2348, -2.1189, 3.3290

Details

The Yxy color $47.9346, 0.3145, 0.3265$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $49.0918, 0.3110, 0.3315$, and the grayscale version is $48.1740, 0.3127, 0.3290$.

A 20% lighter version of the original color is $87.1386, 0.3141, 0.3270$, and $22.6995, 0.3152, 0.3255$ is the 20% darker color. If you saturate the color by 10%, you get $40.3457, 0.3240, 0.3142$, and if you desaturate by 10%, it is $56.5781, 0.3066, 0.3381$.

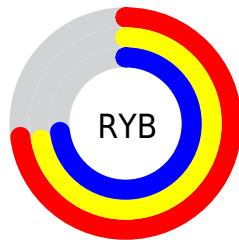
Distribution



Red (73%)

Green (72%)

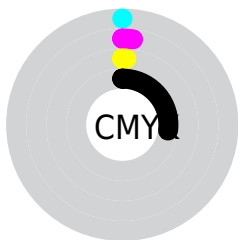
Blue (73%)



Red (73%)

Yellow (72%)

Blue (73%)

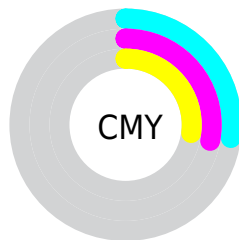


Cyan (0%)

Magenta (2%)

Yellow (1%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9346, 0.3145, 0.3265 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 47.9346, 0.3145, 0.3265 by changing the saturation by 10% instead.

■ 47.9346, 0.3145,
0.3265

■ 47.9346, 0.3145,
0.3265

378.5328, 0.3136,
0.3278

■ 33.7751, 0.3147,
0.3262

■ 87.1070, 0.3142,
0.3270

■ 22.7209, 0.3150,
0.3258

112.8887, 0.3141,
0.3271

■ 14.3875, 0.3154,
0.3253

143.3133, 0.3140,
0.3273

■ 8.3907, 0.3159,
0.3245

178.7651, 0.3139,
0.3274

■ 4.3459, 0.3167,
0.3234

219.6286, 0.3138,
0.3275

■ 1.8689, 0.3179,
0.3216

266.2881, 0.3137,

■ 0.5296, 0.3235,

0.3276

0.3137

319.1281, 0.3137,
0.3277

0.0000, 0.0000,
0.0000

47.9346, 0.3145,
0.3265

47.9346, 0.3145,
0.3265

40.3457, 0.3240,
0.3142

56.5781, 0.3066,
0.3381

33.7647, 0.3355,
0.3012

66.3083, 0.3001,
0.3488

28.1505, 0.3492,
0.2880

77.1638, 0.2947,
0.3587

23.4565, 0.3654,
0.2749

87.3782, 0.2901,
0.3648

19.6327, 0.3842,
0.2629

87.8964, 0.2853,
0.3542

■ 16.6240, 0.4055,
0.2528

■ 88.4431, 0.2805,
0.3438

■ 14.3690, 0.4288,
0.2458

■ 89.0187, 0.2758,
0.3336

■ 12.7974, 0.4534,
0.2433

■ 89.2984, 0.2736,
0.3289

■ 11.8254, 0.4779,
0.2459

Harmonies

Analogous

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



47.9346, 0.3120, 0.3251



47.9346, 0.3145, 0.3265



47.9346, 0.3166, 0.3286

Triad

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



47.9346, 0.3145, 0.3265



47.9346, 0.3158, 0.3334



47.9346, 0.3079, 0.3272

Complementary

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



47.9346, 0.3145, 0.3265



49.0918, 0.3110, 0.3315

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.



47.9346, 0.3089, 0.3294



47.9346, 0.3145, 0.3265



47.9346, 0.3135, 0.3330

Square

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



47.9346, 0.3145, 0.3265



47.9346, 0.3173, 0.3326



47.9346, 0.3109, 0.3316



47.9346, 0.3081, 0.3255

Rectangle

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



47.9346, 0.3145, 0.3265



47.9346, 0.3174, 0.3301



47.9346, 0.3109, 0.3316



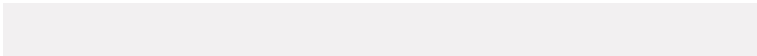
47.9346, 0.3081, 0.3279

Sweetspot

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



47.9367, 0.3145, 0.3265



87.4931, 0.3136, 0.3278



47.7745, 0.3113, 0.3240



19.2842, 0.3135, 0.3279



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.



47.9367, 0.3145, 0.3265



84.5369, 0.3153, 0.3254



47.8546, 0.3160, 0.3290



10.5888, 0.3159, 0.3245



7.8411, 0.4941, 0.2495



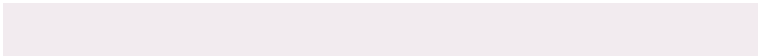
0.3204, 0.4418, 0.2208

Inverse Universe

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



47.9367, 0.3145, 0.3265



84.5369, 0.3153, 0.3254



49.1750, 0.3095, 0.3290



10.5888, 0.3159, 0.3245



7.8411, 0.4941, 0.2495



0.3204, 0.4418, 0.2208

Previews

White Background



This preview shows how the Yxy color 47.9346, 0.3145, 0.3265 looks on a white background.

Color Contrast Check

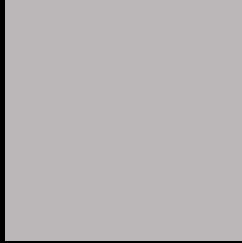
Large Text (above 18pt) WCAG AA × Fail

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 47.9346, 0.3145, 0.3265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

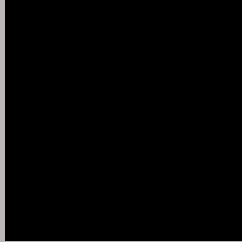
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

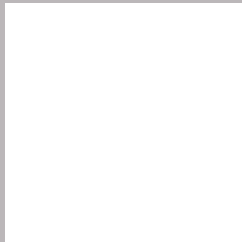
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 47.9346, 0.3145, 0.3265

Background



This preview shows how black text looks on a background with the Yxy color 47.9346, 0.3145, 0.3265.

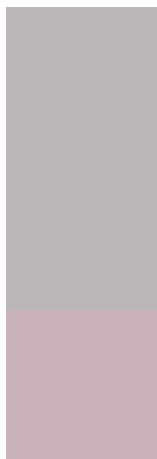


This preview shows how white text looks on a background with the Yxy color 47.9346, 0.3145, 0.3265.

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

47.9346, 0.3145, 0.3265

Protanopia

47.9346, 0.3145, 0.3265

Deuteranopia

47.8035, 0.3263, 0.3192



Tritanopia

47.8521, 0.3077, 0.3102

Trichromacy



Original Color

47.9346, 0.3145, 0.3265

Protanomaly

47.9346, 0.3145, 0.3265

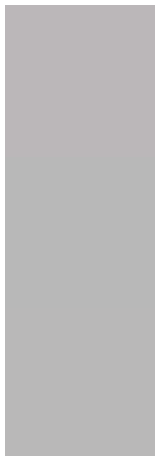
Deuteranomaly

47.9234, 0.3217, 0.3215

Tritanomaly

47.9530, 0.3099, 0.3163

Monochromacy



Original Color

47.9346, 0.3145, 0.3265

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.0560, 0.3136, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.9346, 0.3145, 0.3265 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(187, 183, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 183, 185)  
}
```

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(187, 183, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 183, 185) }
```

Border

The CSS property to change the border of an element to Yxy 47.9346, 0.3145, 0.3265 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(187, 183, 185) }
```

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

```
.border{ border-color:rgb(187, 183, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 183, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 183, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 183, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 183,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 47.9346, 0.3145, 0.3265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 183, 185) }
```

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

```
.background{ background-color: rgb(187,  
183, 185) }
```

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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