

Converting Colors

$Yxy(48.5810, 0.3234, 0.3407)$

Have a look what the booklet for
Yxy(48.5810, 0.3234, 0.3407)
contains.

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Color

Yxy(48.6513, 0.3232, 0.3406)

Conversions

Conversions Part 1

Format	Color
Hex	BDB9B0
RGB	189, 185, 176
RGB Percent	74%, 73%, 69%
CMY	0.2589, 0.2745, 0.3099
CMYK	0.00, 0.02, 0.07, 0.26
HSL	42°, 9%, 72%
HSV	42°, 7%, 74%
XYZ	46.1659, 48.6513, 48.0228
YIQ	185.1700, 5.2730, -1.9510

Conversions

Conversions Part 2

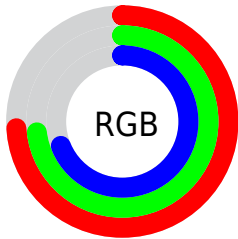
Format	Color
RYB	182, 189, 176
Decimal	12433840
CIELab	75.23, -0.21, 5.06
CIELCh	75, 5.065, 92.430
Yxy	48.6513, 0.3232, 0.3406
Android (android.graphics.Color)	4290623920 (0xFFBDB9B0)
YUV	185.1700, -4.5208, 3.3589
Hunter-Lab	69.7505, -3.9192, 8.0045

Details

The Yxy color **48.6513, 0.3232, 0.3406** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.5227, 0.3023, 0.3171**, and the grayscale version is **48.6375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.1493, 0.3209, 0.3380**, and **23.1920, 0.3260, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **45.5932, 0.3397, 0.3582**, and if you desaturate by 10%, it is **51.9155, 0.3082, 0.3239**.

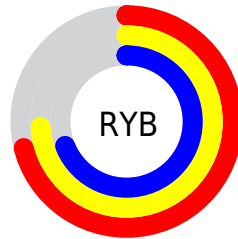
Distribution



Red (74%)

Green (73%)

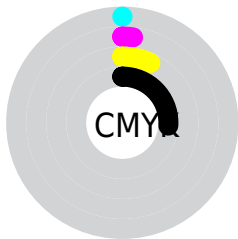
Blue (69%)



Red (71%)

Yellow (74%)

Blue (69%)

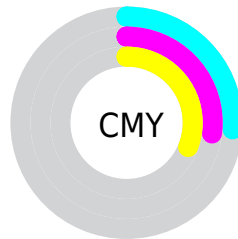


Cyan (0%)

Magenta (2%)

Yellow (7%)

Black (26%)



Cyan (26%)

Magenta (27%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.6513, 0.3232, 0.3406 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 48.6513, 0.3232, 0.3406 by changing the saturation by 10% instead.

■ 48.6513, 0.3232,
0.3406

■ 48.6513, 0.3232,
0.3406

381.3679, 0.3180,
0.3348

■ 34.3430, 0.3245,
0.3420

■ 88.1733, 0.3213,
0.3385

■ 23.1572, 0.3261,
0.3439

114.1558, 0.3206,
0.3377

■ 14.7096, 0.3283,
0.3463

144.7985, 0.3200,
0.3371

■ 8.6158, 0.3314,
0.3497

180.4857, 0.3195,
0.3365

■ 4.4915, 0.3359,
0.3547

221.6018, 0.3190,
0.3360

■ 1.9521, 0.3433,
0.3629

268.5313, 0.3187,

■ 0.5794, 0.3891,

0.3356

0.4133

321.6586, 0.3183,
0.3352

0.0000, 0.0000,
0.0000

48.6513, 0.3232,
0.3406

48.6513, 0.3232,
0.3406

45.5932, 0.3397,
0.3582

51.9155, 0.3082,
0.3239

42.7296, 0.3576,
0.3762

55.3848, 0.2947,
0.3082

40.0567, 0.3768,
0.3943

59.0660, 0.2825,
0.2936

37.5685, 0.3967,
0.4116

62.9640, 0.2717,
0.2802

35.2584, 0.4168,
0.4272

66.0462, 0.2704,
0.2833

■ 33.1192, 0.4363,
0.4400

■ 69.0130, 0.2710,
0.2899

■ 31.1430, 0.4543,
0.4491

■ 72.0841, 0.2716,
0.2964

■ 29.3206, 0.4697,
0.4535

■ 75.2605, 0.2722,
0.3029

■ 27.6402, 0.4822,
0.4530

■ 78.5432, 0.2728,
0.3093

Harmonies

Analogous

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



48.6513, 0.3262, 0.3372



48.6513, 0.3232, 0.3406



48.6513, 0.3174, 0.3409

Triad

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



48.6513, 0.3232, 0.3406



48.6513, 0.3000, 0.3262



48.6513, 0.3150, 0.3203

Complementary

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



48.6513, 0.3232, 0.3406



45.5227, 0.3023, 0.3171

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.



48.6513, 0.3080, 0.3174



48.6513, 0.3232, 0.3406



48.6513, 0.2994, 0.3207

Square

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



48.6513, 0.3232, 0.3406



48.6513, 0.3040, 0.3325



48.6513, 0.3023, 0.3175



48.6513, 0.3215, 0.3255

Rectangle

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



48.6513, 0.3232, 0.3406



48.6513, 0.3127, 0.3393



48.6513, 0.3023, 0.3175



48.6513, 0.3126, 0.3191

Sweetspot

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



48.6534, 0.3232, 0.3406



89.9469, 0.3157, 0.3324



45.1596, 0.3208, 0.3237



19.3558, 0.3156, 0.3322



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.



48.6534, 0.3232, 0.3406



86.4558, 0.3252, 0.3428



50.0330, 0.3207, 0.3457



10.6159, 0.3272, 0.3449



18.4037, 0.4848, 0.4533



0.8313, 0.4656, 0.4685

Inverse Universe

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



45.5227, 0.3023, 0.3171



79.8809, 0.3003, 0.3149



44.2259, 0.3044, 0.3120



9.6873, 0.2984, 0.3126



4.6046, 0.1619, 0.1029



0.2995, 0.1760, 0.1535

Previews

White Background



This preview shows how the Yxy color 48.6513, 0.3232, 0.3406 looks on a white background.

Color Contrast Check

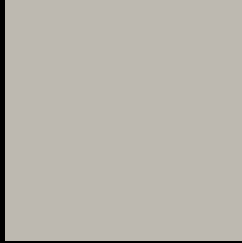
Large Text (above 18pt) WCAG AA × Fail

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 48.6513, 0.3232, 0.3406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

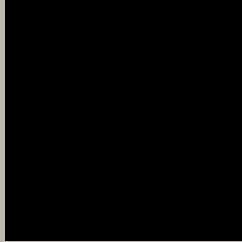
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

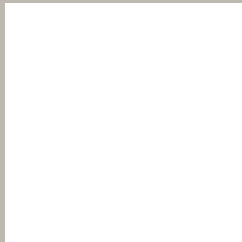
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 48.6513, 0.3232, 0.3406

Background



This preview shows how black text looks on a background with the Yxy color 48.6513, 0.3232, 0.3406.

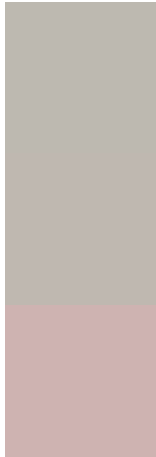


This preview shows how white text looks on a background with the Yxy color 48.6513, 0.3232, 0.3406.

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

48.6513, 0.3232, 0.3406

Protanopia

48.4919, 0.3251, 0.3392

Deuteranopia

48.5363, 0.3382, 0.3315



Tritanopia

48.6479, 0.3102, 0.3116

Trichromacy



Original Color

48.6513, 0.3232, 0.3406

Protanomaly

48.3627, 0.3242, 0.3393

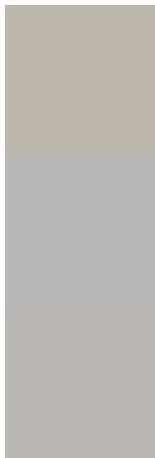
Deuteranomaly

48.5014, 0.3325, 0.3340

Tritanomaly

48.6175, 0.3148, 0.3215

Monochromacy



Original Color

48.6513, 0.3232, 0.3406

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.5144, 0.3159, 0.3329

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.6513, 0.3232, 0.3406 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(189, 185, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 185, 176)  
}
```

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(189, 185, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 185, 176) }
```

Border

The CSS property to change the border of an element to Yxy 48.6513, 0.3232, 0.3406 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(189, 185, 176) }
```

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

```
.border{ border-color:rgb(189, 185, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 185, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 185, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 185, 176);  
box-shadow:4px 4px 4px 4px rgb(189, 185,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 48.6513, 0.3232, 0.3406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 185, 176) }
```

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

```
.background{ background-color: rgb(189,  
185, 176) }
```

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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