

Converting Colors

$Y_{xy}(46.7039, 0.3237, 0.3324)$

Have a look what the booklet for
Yxy(46.7039, 0.3237, 0.3324)
contains.

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Color

Yxy(46.7640, 0.3238, 0.3329)

Conversions

Conversions Part 1

Format	Color
Hex	BEB4B1
RGB	190, 180, 177
RGB Percent	75%, 71%, 69%
CMY	0.2550, 0.2941, 0.3059
CMYK	0.00, 0.05, 0.07, 0.26
HSL	14°, 9%, 72%
HSV	14°, 7%, 74%
XYZ	45.4857, 46.7640, 48.2249
YIQ	182.6480, 6.9230, 1.1870

Conversions

Conversions Part 2

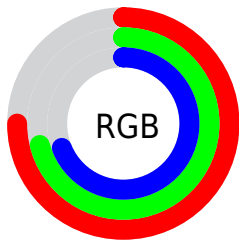
Format	Color
R_{YB}	190, 181, 177
Decimal	12498097
CIE _{Lab}	74.04, 3.00, 2.79
CIE _{LCh}	74, 4.093, 42.911
Yxy	46.7640, 0.3238, 0.3329
Android (android.graphics.Color)	4290688177 (0xFFBEB4B1)
YUV	182.6480, -2.7845, 6.4477
Hunter-Lab	68.3842, -0.9433, 6.0573

Details

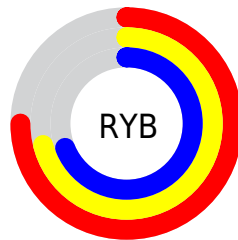
The Yxy color **46.7640, 0.3238, 0.3329** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **48.5838, 0.3023, 0.3251**, and the grayscale version is **47.1626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.4669, 0.3213, 0.3320**, and **21.9523, 0.3281, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **40.4790, 0.3428, 0.3390**, and if you desaturate by 10%, it is **53.7778, 0.3080, 0.3273**.

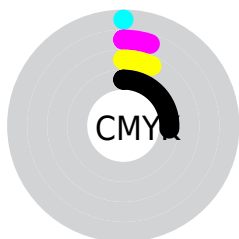
Distribution



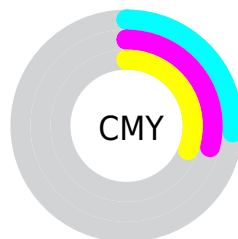
- Red (75%)
- Green (71%)
- Blue (69%)



- Red (75%)
- Yellow (71%)
- Blue (69%)



- Cyan (0%)
- Magenta (5%)
- Yellow (7%)
- Black (26%)





- Cyan (26%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.7640, 0.3238, 0.3329 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 46.7640, 0.3238, 0.3329 by changing the saturation by 10% instead.


 46.7640, 0.3238,
0.3329

 46.7640, 0.3238,
0.3329


373.8717, 0.3182,
0.3310

 32.8491, 0.3252,
0.3334


 85.3612, 0.3218,
0.3322

 22.0109, 0.3270,
0.3340


110.8124, 0.3210,
0.3319

 13.8649, 0.3294,
0.3348


140.8778, 0.3204,
0.3317

 8.0268, 0.3327,
0.3359


175.9418, 0.3198,
0.3315

 4.1121, 0.3378,
0.3375

216.3888, 0.3194,
0.3314

 1.7365, 0.3462,
0.3401

262.6032, 0.3189,

 0.4471, 0.4026,

0.3312

0.3614

314.9693, 0.3186,
0.3311

0.0000, 0.0000,
0.0000

46.7640, 0.3238,
0.3329

46.7640, 0.3238,
0.3329

40.4790, 0.3428,
0.3390

53.7778, 0.3080,
0.3273

34.8934, 0.3655,
0.3453

61.5367, 0.2948,
0.3221

29.9846, 0.3925,
0.3518

70.0641, 0.2838,
0.3173

25.7264, 0.4242,
0.3578

79.3803, 0.2746,
0.3130

22.0910, 0.4602,
0.3628

88.3623, 0.2750,
0.3267

■ 19.0485, 0.4994,
0.3659

■ 89.6826, 0.2752,
0.3289

■ 16.5665, 0.5391,
0.3660

■ 14.6091, 0.5753,
0.3623

■ 13.1349, 0.6038,
0.3549

Harmonies

Analogous

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



46.7640, 0.3214, 0.3279



46.7640, 0.3238, 0.3329



46.7640, 0.3232, 0.3369

Triad

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



46.7640, 0.3238, 0.3329



46.7640, 0.3088, 0.3349



46.7640, 0.3056, 0.3193

Complementary

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



46.7640, 0.3238, 0.3329



48.5838, 0.3023, 0.3251

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.



46.7640, 0.3023, 0.3210



46.7640, 0.3238, 0.3329



46.7640, 0.3041, 0.3301

Square

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



46.7640, 0.3238, 0.3329



46.7640, 0.3145, 0.3382



46.7640, 0.3018, 0.3250



46.7640, 0.3108, 0.3201

Rectangle

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



46.7640, 0.3238, 0.3329



46.7640, 0.3212, 0.3385



46.7640, 0.3018, 0.3250



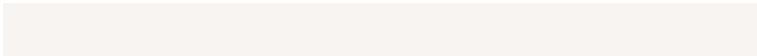
46.7640, 0.3042, 0.3196

Sweetspot

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



46.7660, 0.3238, 0.3329



90.7055, 0.3159, 0.3301



45.9827, 0.3158, 0.3161



19.9464, 0.3157, 0.3301



97.7402, 0.3127, 0.3290



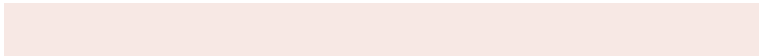
20.4902, 0.3127, 0.3290

Same Dimension

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



46.7660, 0.3238, 0.3329



83.2193, 0.3261, 0.3337



49.3581, 0.3231, 0.3409



9.8867, 0.3283, 0.3344



8.5869, 0.6095, 0.3542



0.4395, 0.5620, 0.3919

Inverse Universe

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



48.5838, 0.3023, 0.3251



87.1113, 0.3003, 0.3243



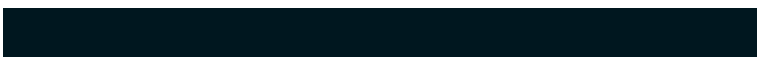
45.9796, 0.3024, 0.3168



10.4233, 0.2985, 0.3235



16.2319, 0.2037, 0.2531



0.7291, 0.2093, 0.2733

Previews

White Background



This preview shows how the Yxy color 46.7640, 0.3238, 0.3329 looks on a white background.

Color Contrast Check

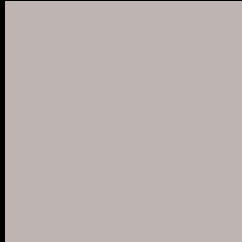
Large Text (above 18pt) WCAG AA × Fail

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 46.7640, 0.3238, 0.3329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

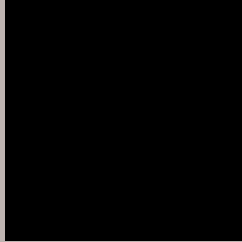
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 46.7640, 0.3238, 0.3329

Background



This preview shows how black text looks on a background with the Yxy color 46.7640, 0.3238, 0.3329.



This preview shows how white text looks on a background with the Yxy color 46.7640, 0.3238, 0.3329.

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

46.7640, 0.3238, 0.3329

Protanopia

46.7012, 0.3194, 0.3329

Deuteranopia

46.6825, 0.3333, 0.3266



Tritanopia

46.8530, 0.3135, 0.3114

Trichromacy



Original Color

46.7640, 0.3238, 0.3329

Protanomaly

46.8269, 0.3203, 0.3329

Deuteranomaly

46.5290, 0.3296, 0.3278

Tritanomaly

46.9044, 0.3166, 0.3189

Monochromacy



Original Color

46.7640, 0.3238, 0.3329

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.2312, 0.3169, 0.3303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.7640, 0.3238, 0.3329 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, 180, 177)` looks like.

```
.text, #text, p{  
    color:rgb(190, 180, 177)  
}
```

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, 180, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 180, 177) }
```

Border

The CSS property to change the border of an element to Yxy 46.7640, 0.3238, 0.3329 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, 180, 177) }
```

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

```
.border{ border-color:rgb(190, 180, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 180, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 180, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 180, 177);  
box-shadow:4px 4px 4px 4px rgb(190, 180,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 46.7640, 0.3238, 0.3329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 180, 177) }
```

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

```
.background{ background-color: rgb(190,  
180, 177) }
```

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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