

Converting Colors

$Y_{xy}(46.7721, 0.3123, 0.3203)$

Have a look what the booklet for
Yxy(46.7721, 0.3123, 0.3203)
contains.

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Color

Yxy(46.6695, 0.3123, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	BAB4BB
RGB	186, 180, 187
RGB Percent	73%, 71%, 73%
CMY	0.2705, 0.2941, 0.2666
CMYK	0.01, 0.04, 0.00, 0.27
HSL	292°, 5%, 72%
HSV	292°, 4%, 73%
XYZ	45.5465, 46.6695, 53.6262
YIQ	182.5920, 1.3290, 3.4490

Conversions

Conversions Part 2

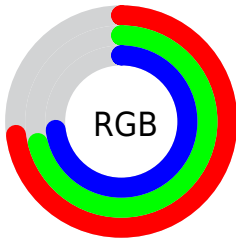
Format	Color
R _Y B	186, 180, 187
Decimal	12235963
CIE Lab	73.98, 3.43, -2.81
CIE LCh	74, 4.436, 320.709
Yxy	46.6695, 0.3123, 0.3200
Android (android.graphics.Color)	4290426043 (0xFFBAB4BB)
YUV	182.5920, 2.1731, 2.9888
Hunter-Lab	68.3151, -0.5432, 1.2789

Details

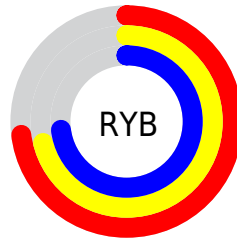
The Yxy color `46.6695, 0.3123, 0.3200` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `48.6607, 0.3131, 0.3381`, and the grayscale version is `47.1095, 0.3127, 0.3290`.

A 20% lighter version of the original color is `85.3392, 0.3124, 0.3220`, and `21.8865, 0.3121, 0.3168` is the 20% darker color. If you saturate the color by 10%, you get `39.2993, 0.3110, 0.2952`, and if you desaturate by 10%, it is `55.0684, 0.3133, 0.3436`.

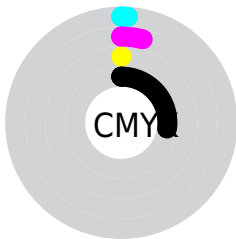
Distribution



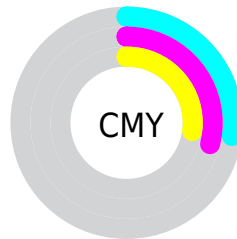
- Red (73%)
- Green (71%)
- Blue (73%)



- Red (73%)
- Yellow (71%)
- Blue (73%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (27%)




- Cyan (27%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 46.6695, 0.3123, 0.3200 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 46.6695, 0.3123, 0.3200 by changing the saturation by 10% instead.


 46.6695, 0.3123,
0.3200

 46.6695, 0.3123,
0.3200


373.4938, 0.3125,
0.3245

 32.7745, 0.3122,
0.3189


 85.2201, 0.3124,
0.3216

 21.9537, 0.3122,
0.3175


110.6444, 0.3124,
0.3222

 13.8229, 0.3121,
0.3156


140.6806, 0.3124,
0.3228

 7.9976, 0.3119,
0.3129

175.7131, 0.3125,
0.3232

 4.0934, 0.3116,
0.3090

216.1263, 0.3125,
0.3236

 1.7260, 0.3112,
0.3026

262.3045, 0.3125,

 0.4404, 0.3104,

0.3239

0.2721

314.6322, 0.3125,
0.3242

0.0000, 0.0000,
0.0000

46.6695, 0.3123,
0.3200

46.6695, 0.3123,
0.3200

39.2993, 0.3110,
0.2952

55.0684, 0.3133,
0.3436

32.9112, 0.3093,
0.2697

64.5283, 0.3141,
0.3656

27.4641, 0.3072,
0.2441

75.0874, 0.3146,
0.3859

22.9114, 0.3047,
0.2192

86.7803, 0.3149,
0.4045

19.2027, 0.3019,
0.1961

87.2633, 0.3165,
0.4043

■ 16.2825, 0.2987,
0.1757

■ 87.6240, 0.3181,
0.4039

■ 14.0886, 0.2953,
0.1590

■ 87.9909, 0.3198,
0.4036

■ 12.5495, 0.2917,
0.1465

■ 88.3639, 0.3214,
0.4032

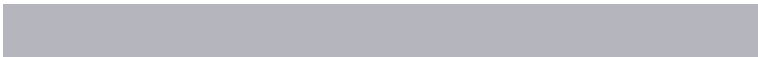
■ 11.5790, 0.2881,
0.1384

■ 88.7433, 0.3231,
0.4028

Harmonies

Analogous

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



46.6695, 0.3063, 0.3184



46.6695, 0.3123, 0.3200



46.6695, 0.3184, 0.3239

Triad

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



46.6695, 0.3123, 0.3200



46.6695, 0.3234, 0.3384



46.6695, 0.3025, 0.3287

Complementary

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



46.6695, 0.3123, 0.3200



48.6607, 0.3131, 0.3381

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.



46.6695, 0.3070, 0.3342



46.6695, 0.3123, 0.3200



46.6695, 0.3191, 0.3398

Square

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



46.6695, 0.3123, 0.3200



46.6695, 0.3249, 0.3345



46.6695, 0.3131, 0.3383



46.6695, 0.3007, 0.3233

Rectangle

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



46.6695, 0.3123, 0.3200



46.6695, 0.3218, 0.3274



46.6695, 0.3131, 0.3383



46.6695, 0.3037, 0.3306

Sweetspot

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



46.6715, 0.3123, 0.3200



87.5061, 0.3126, 0.3266



46.3578, 0.3071, 0.3212



19.2870, 0.3126, 0.3267



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.



46.6715, 0.3123, 0.3200



81.7191, 0.3121, 0.3168



46.6904, 0.3151, 0.3232



10.2640, 0.3121, 0.3155



7.7072, 0.2863, 0.1351



0.3207, 0.2951, 0.1399

Inverse Universe

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



46.5416, 0.3180, 0.3278



81.4082, 0.3200, 0.3273



48.6436, 0.3104, 0.3349



10.2207, 0.3208, 0.3271



7.3375, 0.6194, 0.3186



0.2945, 0.5651, 0.2887

Previews

White Background



This preview shows how the Yxy color 46.6695, 0.3123, 0.3200 looks on a white background.

Color Contrast Check

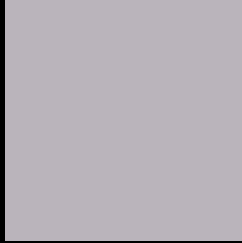
Large Text (above 18pt) WCAG AA × Fail

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 46.6695, 0.3123, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

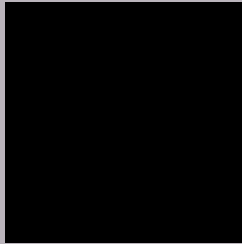
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

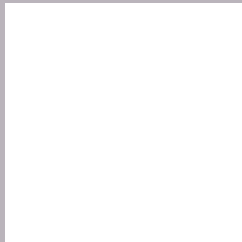
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.6695, 0.3123, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 46.6695, 0.3123, 0.3200.



This preview shows how white text looks on a background with the Yxy color 46.6695, 0.3123, 0.3200.

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

46.6695, 0.3123, 0.3200

Protanopia

46.7029, 0.3097, 0.3212

Deuteranopia

46.5518, 0.3213, 0.3140



Tritanopia

46.6553, 0.3084, 0.3112

Trichromacy



Original Color

46.6695, 0.3123, 0.3200

Protanomaly

46.8260, 0.3105, 0.3213

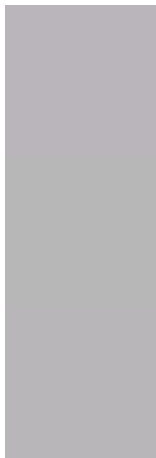
Deuteranomaly

46.4126, 0.3177, 0.3151

Tritanomaly

46.5666, 0.3100, 0.3137

Monochromacy



Original Color

46.6695, 0.3123, 0.3200

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

47.1069, 0.3128, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.6695, 0.3123, 0.3200 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(186, 180, 187)` looks like.

```
.text, #text, p{  
    color:rgb(186, 180, 187)  
}
```

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(186, 180, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 180, 187) }
```

Border

The CSS property to change the border of an element to Yxy 46.6695, 0.3123, 0.3200 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(186, 180, 187) }
```

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

```
.border{ border-color:rgb(186, 180, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 180, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 180, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 180, 187);  
box-shadow:4px 4px 4px 4px rgb(186, 180,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 46.6695, 0.3123, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 180, 187) }
```

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

```
.background{ background-color: rgb(186,  
180, 187) }
```

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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