

Converting Colors

$Y_{xy}(45.9979, 0.3331, 0.3460)$

Have a look what the booklet for
Yxy(45.9979, 0.3331, 0.3460)
contains.

Yxy(45.9405, 0.3331, 0.3460)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(45.9405, 0.3331, 0.3460)

Conversions

Conversions Part 1

Format	Color
Hex	BEB3A6
RGB	190, 179, 166
RGB Percent	75%, 70%, 65%
CMY	0.2551, 0.2980, 0.3491
CMYK	0.00, 0.06, 0.13, 0.26
HSL	33°, 16%, 70%
HSV	33°, 13%, 74%
XYZ	44.2277, 45.9405, 42.6078
YIQ	180.8070, 10.7290, -1.7110

Conversions

Conversions Part 2

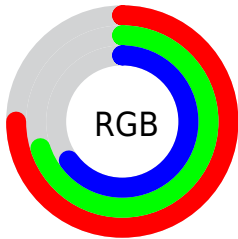
Format	Color
RYB	186, 190, 166
Decimal	12497830
CIELab	73.51, 1.65, 8.04
CIELCh	74, 8.203, 78.396
Yxy	45.9405, 0.3331, 0.3460
Android (android.graphics.Color)	4290687910 (0xFFBEB3A6)
YUV	180.8070, -7.2999, 8.0623
Hunter-Lab	67.7794, -2.1385, 10.1744

Details

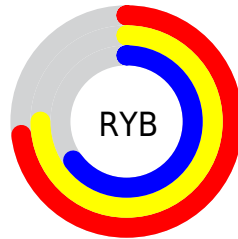
The Yxy color $45.9405, 0.3331, 0.3460$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $43.2328, 0.2933, 0.3114$, and the grayscale version is $46.1319, 0.3127, 0.3290$.

A 20% lighter version of the original color is $84.2299, 0.3291, 0.3432$, and $21.4550, 0.3399, 0.3504$ is the 20% darker color. If you saturate the color by 10%, you get $41.9315, 0.3516, 0.3602$, and if you desaturate by 10%, it is $50.2747, 0.3167, 0.3324$.

Distribution



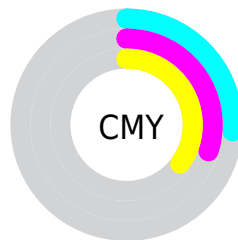
- Red (75%)
- Green (70%)
- Blue (65%)



- Red (73%)
- Yellow (75%)
- Blue (65%)



- Cyan (0%)
- Magenta (6%)
- Yellow (13%)
- Black (26%)





- Cyan (26%)
- Magenta (30%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.9405, 0.3331, 0.3460 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 45.9405, 0.3331, 0.3460 by changing the saturation by 10% instead.


 45.9405, 0.3331,
0.3460

 45.9405, 0.3331,
0.3460


370.5694, 0.3229,
0.3375

 32.1989, 0.3357,
0.3481


 84.1299, 0.3294,
0.3429

 21.5134, 0.3390,
0.3508

 109.3465, 0.3280,
0.3418

 13.4998, 0.3434,
0.3544


139.1569, 0.3268,
0.3408

 7.7736, 0.3496,
0.3594

173.9455, 0.3258,
0.3399

 3.9504, 0.3590,
0.3669

214.0966, 0.3249,
0.3392

 1.6459, 0.3745,
0.3791

259.9947, 0.3241,

 0.3882, 0.5132,

0.3386

0.4868

312.0242, 0.3235,
0.3380

0.0000, 0.0000,
0.0000

45.9405, 0.3331,
0.3460

45.9405, 0.3331,
0.3460

41.9315, 0.3516,
0.3602

50.2747, 0.3167,
0.3324

38.2332, 0.3723,
0.3748

54.9360, 0.3022,
0.3197

34.8386, 0.3951,
0.3890

59.9343, 0.2895,
0.3078

31.7384, 0.4195,
0.4023

65.2770, 0.2784,
0.2969

28.9223, 0.4449,
0.4135

70.5812, 0.2719,
0.2931

■ 26.3796, 0.4702,
0.4213

■ 75.3109, 0.2728,
0.3028

■ 24.0981, 0.4939,
0.4248

■ 80.2807, 0.2737,
0.3124

■ 22.0643, 0.5146,
0.4229

■ 85.4938, 0.2745,
0.3218

■ 20.7053, 0.5281,
0.4189

■ 89.6804, 0.2752,
0.3289

Harmonies

Analogous

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



45.9405, 0.3354, 0.3384



45.9405, 0.3331, 0.3460



45.9405, 0.3253, 0.3492

Triad

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



45.9405, 0.3331, 0.3460



45.9405, 0.2942, 0.3291



45.9405, 0.3110, 0.3120

Complementary

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



45.9405, 0.3331, 0.3460



43.2328, 0.2933, 0.3114

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.



45.9405, 0.3001, 0.3094



45.9405, 0.3331, 0.3460



45.9405, 0.2906, 0.3190

Square

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



45.9405, 0.3331, 0.3460



45.9405, 0.3028, 0.3394



45.9405, 0.2927, 0.3119



45.9405, 0.3225, 0.3190

Rectangle

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



45.9405, 0.3331, 0.3460



45.9405, 0.3180, 0.3482



45.9405, 0.2927, 0.3119



45.9405, 0.3071, 0.3106

Sweetspot

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



45.9425, 0.3331, 0.3460



89.9832, 0.3189, 0.3343



41.3908, 0.3253, 0.3145



19.6248, 0.3201, 0.3354



97.7402, 0.3127, 0.3290



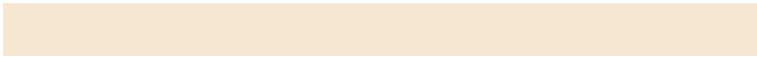
20.4902, 0.3127, 0.3290

Same Dimension

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



45.9425, 0.3331, 0.3460



81.3363, 0.3378, 0.3497



50.3952, 0.3306, 0.3598



10.3731, 0.3275, 0.3415



13.9347, 0.5263, 0.4203



0.6751, 0.4941, 0.4459

Inverse Universe

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



43.2328, 0.2933, 0.3114



75.5051, 0.2891, 0.3074



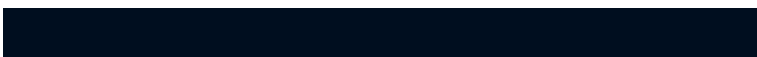
39.1772, 0.2936, 0.2964



9.9228, 0.2984, 0.3162



7.1199, 0.1738, 0.1455



0.4097, 0.1866, 0.1919

Previews

White Background



This preview shows how the Yxy color 45.9405, 0.3331, 0.3460 looks on a white background.

Color Contrast Check

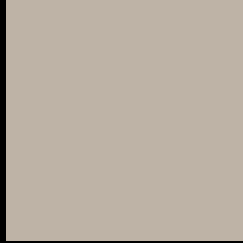
Large Text (above 18pt) WCAG AA × Fail

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 45.9405, 0.3331, 0.3460 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

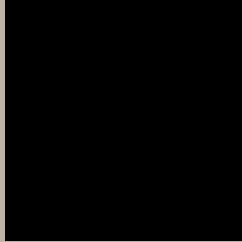
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

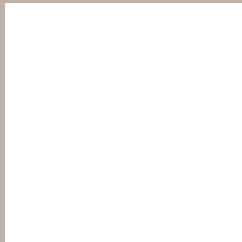
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.9405, 0.3331, 0.3460

Background



This preview shows how black text looks on a background with the Yxy color 45.9405, 0.3331, 0.3460.



This preview shows how white text looks on a background with the Yxy color 45.9405, 0.3331, 0.3460.

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

45.9405, 0.3331, 0.3460

Protanopia

45.9605, 0.3303, 0.3474

Deuteranopia

45.7586, 0.3451, 0.3379



Tritanopia

46.0622, 0.3170, 0.3126

Trichromacy



Original Color

45.9405, 0.3331, 0.3460

Protanomaly

46.0871, 0.3312, 0.3473

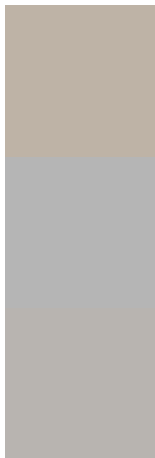
Deuteranomaly

45.8465, 0.3401, 0.3405

Tritanomaly

45.9869, 0.3226, 0.3239

Monochromacy



Original Color

45.9405, 0.3331, 0.3460

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.9675, 0.3194, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.9405, 0.3331, 0.3460 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, 179, 166)` looks like.

```
.text, #text, p{  
    color:rgb(190, 179, 166)  
}
```

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, 179, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 179, 166) }
```

Border

The CSS property to change the border of an element to Yxy 45.9405, 0.3331, 0.3460 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, 179, 166) }
```

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

```
.border{ border-color:rgb(190, 179, 166) }
```

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

Here you see how a box with a 4 pixel rgb(190, 179, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 179, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 179, 166);  
box-shadow:4px 4px 4px 4px rgb(190, 179,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 45.9405, 0.3331, 0.3460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 179, 166) }
```

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

```
.background{ background-color: rgb(190,  
179, 166) }
```

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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