

Converting Colors

$Yxy(49.0693, 0.3338, 0.3655)$

Have a look what the booklet for
Yxy(49.0693, 0.3338, 0.3655)
contains.

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Color

Yxy(49.0693, 0.3338, 0.3655)

Conversions

Conversions Part 1

Format	Color
Hex	BBBCA0
RGB	187, 188, 160
RGB Percent	73%, 74%, 63%
CMY	0.2669, 0.2627, 0.3725
CMYK	0.01, 0.00, 0.15, 0.26
HSL	62°, 17%, 68%
HSV	62°, 15%, 74%
XYZ	44.8135, 49.0693, 40.3697
YIQ	184.5090, 8.3920, -8.9200

Conversions

Conversions Part 2

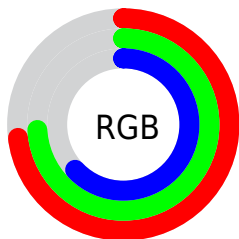
Format	Color
RYB	160, 188, 161
Decimal	12303520
CIELab	75.49, -5.21, 14.07
CIELCh	75, 15.004, 110.333
Yxy	49.0693, 0.3338, 0.3655
Android (android.graphics.Color)	4290493600 (0xFFBBBCA0)
YUV	184.5090, -12.0829, 2.1846
Hunter-Lab	70.0495, -8.3929, 14.8656

Details

The Yxy color $49.0693, 0.3338, 0.3655$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $36.3605, 0.2900, 0.2899$, and the grayscale version is $48.2915, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.6624, 0.3298, 0.3585$, and $23.4790, 0.3404, 0.3770$ is the 20% darker color. If you saturate the color by 10%, you get $48.3723, 0.3482, 0.3906$, and if you desaturate by 10%, it is $49.8706, 0.3195, 0.3408$.

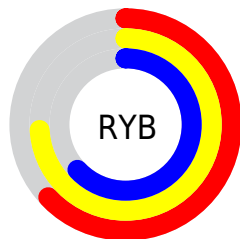
Distribution



Red (73%)

Green (74%)

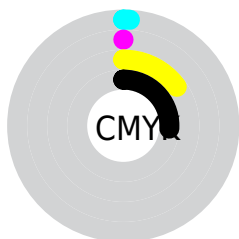
Blue (63%)



Red (63%)

Yellow (74%)

Blue (63%)

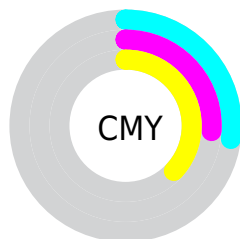


Cyan (1%)

Magenta (0%)

Yellow (15%)

Black (26%)



Cyan (27%)


Magenta (26%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.0693, 0.3338, 0.3655 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 49.0693, 0.3338, 0.3655 by changing the saturation by 10% instead.

 49.0693, 0.3338,
0.3655


 49.0693, 0.3338,
0.3655


383.0151, 0.3235,
0.3472

 34.6745, 0.3363,
0.3701


 88.7944, 0.3301,
0.3588

 23.4122, 0.3395,
0.3759


 114.8934, 0.3287,
0.3564

 14.8982, 0.3436,
0.3838

145.6626, 0.3275,
0.3542

 8.7480, 0.3493,
0.3946

181.4864, 0.3265,
0.3524

 4.5771, 0.3573,
0.4108

222.7491, 0.3256,
0.3509

 2.0014, 0.3696,
0.4373

269.8352, 0.3248,

 0.6083, 0.4257,

0.3495

0.5743

323.1291, 0.3241,
0.3483

0.0000, 0.0000,
0.0000

49.0693, 0.3338,
0.3655

49.0693, 0.3338,
0.3655

48.3723, 0.3482,
0.3906

49.8706, 0.3195,
0.3408

47.7687, 0.3623,
0.4154

50.7738, 0.3058,
0.3170

47.2558, 0.3755,
0.4389

51.7852, 0.2927,
0.2946

46.8284, 0.3873,
0.4602

52.9083, 0.2805,
0.2738

46.4808, 0.3972,
0.4784

54.1469, 0.2693,
0.2547

■ 46.2065, 0.4047,
0.4927

■ 54.3028, 0.2692,
0.2538

■ 45.9981, 0.4096,
0.5027

■ 54.3960, 0.2697,
0.2539

■ 45.8465, 0.4120,
0.5085

■ 54.4896, 0.2701,
0.2540

■ 45.7813, 0.4127,
0.5105

■ 54.5837, 0.2706,
0.2541

Harmonies

Analogous

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



49.0693, 0.3486, 0.3598



49.0693, 0.3338, 0.3655



49.0693, 0.3137, 0.3608

Triad

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



49.0693, 0.3338, 0.3655



49.0693, 0.2734, 0.3097



49.0693, 0.3314, 0.3122

Complementary

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



49.0693, 0.3338, 0.3655



36.3605, 0.2900, 0.2899

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.



49.0693, 0.3107, 0.2998



49.0693, 0.3338, 0.3655



49.0693, 0.2777, 0.2979

Square

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



49.0693, 0.3338, 0.3655



49.0693, 0.2792, 0.3276



49.0693, 0.2912, 0.2945



49.0693, 0.3473, 0.3289

Rectangle

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



49.0693, 0.3338, 0.3655



49.0693, 0.3000, 0.3522



49.0693, 0.2912, 0.2945



49.0693, 0.3247, 0.3074

Sweetspot

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



49.0715, 0.3338, 0.3655



90.4921, 0.3184, 0.3388



38.7012, 0.3399, 0.3303



19.4348, 0.3194, 0.3406



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.



49.0715, 0.3338, 0.3655



88.4650, 0.3387, 0.3740



47.4060, 0.3218, 0.3669



11.1015, 0.3259, 0.3517



31.1711, 0.4128, 0.5104



1.2268, 0.4145, 0.5091

Inverse Universe

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



36.3605, 0.2900, 0.2899



60.8450, 0.2841, 0.2800



37.8836, 0.3024, 0.2913



9.2422, 0.2989, 0.3053



2.5109, 0.1514, 0.0608



0.1044, 0.1568, 0.0638

Previews

White Background



This preview shows how the Yxy color 49.0693, 0.3338, 0.3655 looks on a white background.

Color Contrast Check

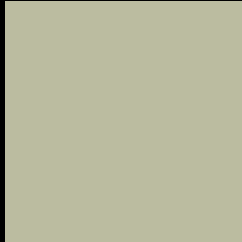
Large Text (above 18pt) WCAG AA × Fail

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 49.0693, 0.3338, 0.3655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

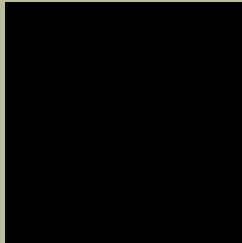
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

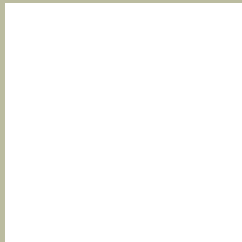
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.0693, 0.3338, 0.3655

Background



This preview shows how black text looks on a background with the Yxy color 49.0693, 0.3338, 0.3655.



This preview shows how white text looks on a background with the Yxy color 49.0693, 0.3338, 0.3655.

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

49.0693, 0.3338, 0.3655

Protanopia

48.8032, 0.3423, 0.3623

Deuteranopia

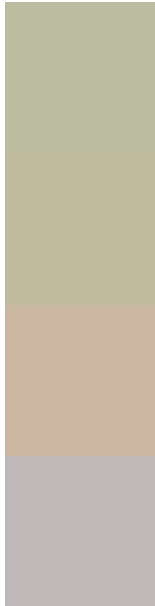
48.8459, 0.3566, 0.3498



Tritanopia

49.1047, 0.3094, 0.3116

Trichromacy



Original Color

49.0693, 0.3338, 0.3655

Protanomaly

48.8275, 0.3394, 0.3638

Deuteranomaly

48.7256, 0.3485, 0.3554

Tritanomaly

49.1058, 0.3177, 0.3303

Monochromacy



Original Color

49.0693, 0.3338, 0.3655

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

48.6915, 0.3205, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.0693, 0.3338, 0.3655 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, 188, 160)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 160)  
}
```

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, 188, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 160) }
```

Border

The CSS property to change the border of an element to Yxy 49.0693, 0.3338, 0.3655 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, 188, 160) }
```

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

```
.border{ border-color:rgb(187, 188, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 160);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 49.0693, 0.3338, 0.3655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 160) }
```

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

```
.background{ background-color: rgb(187,  
188, 160) }
```

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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