

Converting Colors

$Yxy(42.8487, 0.3329, 0.3591)$

Have a look what the booklet for
Yxy(42.8487, 0.3329, 0.3591)
contains.

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Color

Yxy(42.8487, 0.3329, 0.3591)

Conversions

Conversions Part 1

Format	Color
Hex	B2B09A
RGB	178, 176, 154
RGB Percent	70%, 69%, 60%
CMY	0.3019, 0.3098, 0.3961
CMYK	0.00, 0.01, 0.13, 0.30
HSL	55°, 13%, 65%
HSV	55°, 13%, 70%
XYZ	39.7225, 42.8487, 36.7513
YIQ	174.0900, 8.2540, -6.4180

Conversions

Conversions Part 2

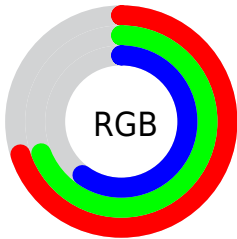
Format	Color
RYB	156, 178, 154
Decimal	11710618
CIELab	71.45, -3.12, 11.53
CIELCh	71, 11.943, 105.159
Yxy	42.8487, 0.3329, 0.3591
Android (android.graphics.Color)	4289900698 (0xFFB2B09A)
YUV	174.0900, -9.9044, 3.4291
Hunter-Lab	65.4589, -6.2339, 12.5334

Details

The Yxy color **42.8487, 0.3329, 0.3591** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.8743, 0.2916, 0.2970**, and the grayscale version is **42.4274, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7597, 0.3295, 0.3543**, and **19.7545, 0.3382, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **41.7147, 0.3485, 0.3821**, and if you desaturate by 10%, it is **44.0809, 0.3178, 0.3366**.

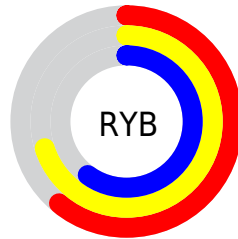
Distribution



Red (70%)

Green (69%)

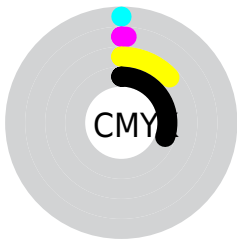
Blue (60%)



Red (61%)

Yellow (70%)

Blue (60%)

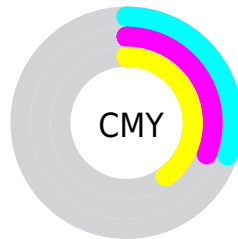


Cyan (0%)

Magenta (1%)

Yellow (13%)

Black (30%)



Cyan (30%)


Magenta (31%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8487, 0.3329, 0.3591 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 42.8487, 0.3329, 0.3591 by changing the saturation by 10% instead.

 42.8487, 0.3329,
0.3591


 42.8487, 0.3329,
0.3591


357.9892, 0.3227,
0.3437

 29.7664, 0.3355,
0.3630


 79.4825, 0.3292,
0.3534

 19.6614, 0.3388,
0.3682


 103.8028, 0.3278,
0.3513

 12.1491, 0.3432,
0.3751


132.6379, 0.3266,
0.3496

 6.8453, 0.3493,
0.3849

166.3722, 0.3256,
0.3481

 3.3656, 0.3586,
0.4000

205.3901, 0.3247,
0.3468

 1.3254, 0.3796,
0.4328

250.0759, 0.3240,

 0.1608, 0.3226,

0.3456

0.6774

300.8142, 0.3233,
0.3446

0.0000, 0.0000,
0.0000

42.8487, 0.3329,
0.3591

42.8487, 0.3329,
0.3591

41.7147, 0.3485,
0.3821

44.0809, 0.3178,
0.3366

40.6695, 0.3644,
0.4048

45.4094, 0.3035,
0.3151

39.7108, 0.3798,
0.4267

46.8395, 0.2902,
0.2949

38.8339, 0.3944,
0.4466

48.3744, 0.2780,
0.2760

38.0341, 0.4073,
0.4637

50.0173, 0.2668,
0.2587

■ 37.3057, 0.4182,
0.4771

■ 51.3904, 0.2599,
0.2484

■ 36.6423, 0.4265,
0.4863

■ 52.0224, 0.2601,
0.2502

■ 36.0364, 0.4321,
0.4912

■ 52.6610, 0.2603,
0.2520

■ 35.6622, 0.4349,
0.4929

■ 53.3064, 0.2605,
0.2538

Harmonies

Analogous

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



42.8487, 0.3440, 0.3532



42.8487, 0.3329, 0.3591



42.8487, 0.3166, 0.3566

Triad

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



42.8487, 0.3329, 0.3591



42.8487, 0.2801, 0.3154



42.8487, 0.3255, 0.3128

Complementary

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



42.8487, 0.3329, 0.3591



33.8743, 0.2916, 0.2970

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.



42.8487, 0.3081, 0.3032



42.8487, 0.3329, 0.3591



42.8487, 0.2823, 0.3043

Square

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



42.8487, 0.3329, 0.3591



42.8487, 0.2864, 0.3307



42.8487, 0.2924, 0.3001



42.8487, 0.3397, 0.3265

Rectangle

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



42.8487, 0.3329, 0.3591



42.8487, 0.3051, 0.3503



42.8487, 0.2924, 0.3001



42.8487, 0.3198, 0.3090

Sweetspot

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



42.8506, 0.3329, 0.3591



79.7806, 0.3187, 0.3379



34.9955, 0.3347, 0.3257



17.6372, 0.3198, 0.3396



91.1408, 0.3127, 0.3290



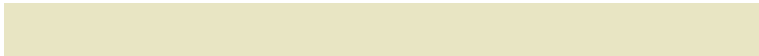
17.8868, 0.3127, 0.3290

Same Dimension

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



42.8506, 0.3329, 0.3591



77.0933, 0.3372, 0.3655



42.5543, 0.3238, 0.3627



9.7815, 0.3265, 0.3497



25.5542, 0.4347, 0.4931



0.8398, 0.4299, 0.4968

Inverse Universe

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



33.8743, 0.2916, 0.2970



57.8342, 0.2869, 0.2897



34.1803, 0.3005, 0.2949



8.3416, 0.2985, 0.3075



2.5855, 0.1519, 0.0666



0.1191, 0.1591, 0.0928

Previews

White Background



This preview shows how the Yxy color 42.8487, 0.3329, 0.3591 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 42.8487, 0.3329, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

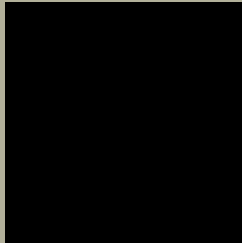
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

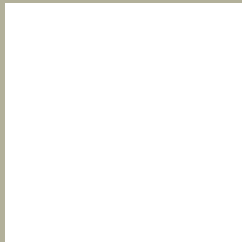
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.8487, 0.3329, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 42.8487, 0.3329, 0.3591.



This preview shows how white text looks on a background with the Yxy color 42.8487, 0.3329, 0.3591.

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

42.8487, 0.3329, 0.3591

Protanopia

42.6393, 0.3388, 0.3574

Deuteranopia

42.8846, 0.3534, 0.3472



Tritanopia

42.9529, 0.3109, 0.3120

Trichromacy



Original Color

42.8487, 0.3329, 0.3591

Protanomaly

42.7836, 0.3367, 0.3589

Deuteranomaly

42.9480, 0.3450, 0.3515

Tritanomaly

42.7669, 0.3191, 0.3277

Monochromacy



Original Color

42.8487, 0.3329, 0.3591

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.5639, 0.3193, 0.3399

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8487, 0.3329, 0.3591 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(178, 176, 154)` looks like.

```
.text, #text, p{  
    color:rgb(178, 176, 154)  
}
```

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(178, 176, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 176, 154) }
```

Border

The CSS property to change the border of an element to Yxy 42.8487, 0.3329, 0.3591 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(178, 176, 154) }
```

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

```
.border{ border-color:rgb(178, 176, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 176, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 176, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 176, 154);  
box-shadow:4px 4px 4px 4px rgb(178, 176,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8487, 0.3329, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 176, 154) }
```

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

```
.background{ background-color: rgb(178,  
176, 154) }
```

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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