

Converting Colors

$Y_{xy}(42.9010, 0.3277, 0.3522)$

Have a look what the booklet for
Yxy(42.9010, 0.3277, 0.3522)
contains.

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Color

Yxy(42.9010, 0.3277, 0.3522)

Conversions

Conversions Part 1

Format	Color
Hex	B1B09F
RGB	177, 176, 159
RGB Percent	69%, 69%, 62%
CMY	0.3059, 0.3098, 0.3764
CMYK	0.00, 0.01, 0.10, 0.31
HSL	57°, 10%, 66%
HSV	57°, 10%, 69%
XYZ	39.9167, 42.9010, 38.9909
YIQ	174.3610, 6.0530, -5.0750

Conversions

Conversions Part 2

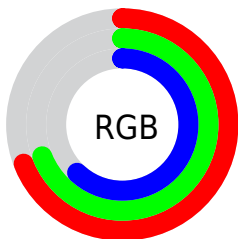
Format	Color
RYB	160, 177, 159
Decimal	11645087
CIELab	71.49, -2.67, 8.82
CIELCh	71, 9.211, 106.839
Yxy	42.9010, 0.3277, 0.3522
Android (android.graphics.Color)	4289835167 (0xFFB1B09F)
YUV	174.3610, -7.5730, 2.3144
Hunter-Lab	65.4989, -5.8405, 10.5543

Details

The Yxy color **42.9010, 0.3277, 0.3522** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.6997, 0.2971, 0.3047**, and the grayscale version is **42.5619, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.8919, 0.3249, 0.3480**, and **19.7831, 0.3311, 0.3593** is the 20% darker color. If you saturate the color by 10%, you get **41.9475, 0.3430, 0.3757**, and if you desaturate by 10%, it is **43.9491, 0.3129, 0.3293**.

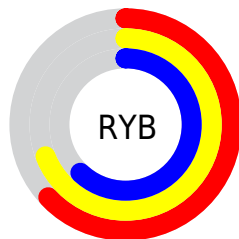
Distribution



Red (69%)

Green (69%)

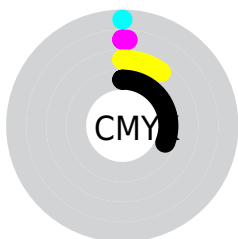
Blue (62%)



Red (63%)

Yellow (69%)

Blue (62%)

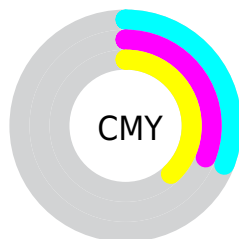


Cyan (0%)

Magenta (1%)

Yellow (10%)

Black (31%)



Cyan (31%)


Magenta (31%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.9010, 0.3277, 0.3522 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 42.9010, 0.3277, 0.3522 by changing the saturation by 10% instead.


 42.9010, 0.3277,
0.3522

 42.9010, 0.3277,
0.3522


358.2045, 0.3201,
0.3404

 29.8074, 0.3296,
0.3552


 79.5614, 0.3249,
0.3478

 19.6925, 0.3321,
0.3592


 103.8971, 0.3239,
0.3462

 12.1717, 0.3354,
0.3645


132.7490, 0.3230,
0.3449

 6.8607, 0.3400,
0.3721

166.5014, 0.3223,
0.3437

 3.3752, 0.3470,
0.3838

205.5387, 0.3216,
0.3427

 1.3306, 0.3601,
0.4057

250.2454, 0.3211,

 0.1647, 0.3569,

0.3418

0.6431

301.0059, 0.3206,
0.3411

0.0000, 0.0000,
0.0000

42.9010, 0.3277,
0.3522

42.9010, 0.3277,
0.3522

41.9475, 0.3430,
0.3757

43.9491, 0.3129,
0.3293

41.0792, 0.3585,
0.3992

45.0895, 0.2990,
0.3076

40.2939, 0.3737,
0.4220

46.3276, 0.2860,
0.2871

39.5875, 0.3880,
0.4430

47.6665, 0.2740,
0.2682

38.9550, 0.4008,
0.4615

49.1091, 0.2631,
0.2508

■ 38.3914, 0.4116,
0.4765

■ 49.9818, 0.2588,
0.2446

■ 37.8906, 0.4200,
0.4875

■ 50.3856, 0.2590,
0.2458

■ 37.4456, 0.4257,
0.4941

■ 50.7921, 0.2591,
0.2469

■ 37.0473, 0.4293,
0.4973

■ 51.2015, 0.2592,
0.2481

Harmonies

Analogous

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



42.9010, 0.3365, 0.3481



42.9010, 0.3277, 0.3522



42.9010, 0.3150, 0.3498

Triad

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



42.9010, 0.3277, 0.3522



42.9010, 0.2874, 0.3180



42.9010, 0.3233, 0.3170

Complementary

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



42.9010, 0.3277, 0.3522



35.6997, 0.2971, 0.3047

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.



42.9010, 0.3100, 0.3093



42.9010, 0.3277, 0.3522



42.9010, 0.2894, 0.3096

Square

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



42.9010, 0.3277, 0.3522



42.9010, 0.2919, 0.3297



42.9010, 0.2976, 0.3066



42.9010, 0.3339, 0.3278

Rectangle

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



42.9010, 0.3277, 0.3522



42.9010, 0.3061, 0.3448



42.9010, 0.2976, 0.3066



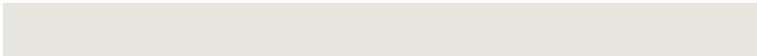
42.9010, 0.3190, 0.3140

Sweetspot

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



42.9029, 0.3277, 0.3522



78.1511, 0.3171, 0.3359



36.6999, 0.3292, 0.3274



16.9038, 0.3183, 0.3377



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



42.9029, 0.3277, 0.3522



76.4734, 0.3308, 0.3570



42.4071, 0.3205, 0.3541



9.8242, 0.3265, 0.3503



26.8718, 0.4292, 0.4974



0.8698, 0.4262, 0.4998

Inverse Universe

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



35.6997, 0.2971, 0.3047



61.1794, 0.2938, 0.2994



36.1766, 0.3043, 0.3038



8.3034, 0.2985, 0.3068



2.4843, 0.1512, 0.0643



0.1031, 0.1561, 0.0820

Previews

White Background



This preview shows how the Yxy color 42.9010, 0.3277, 0.3522 looks on a white background.

Color Contrast Check

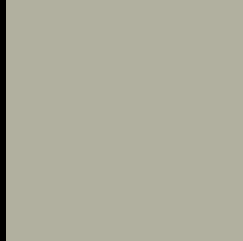
Large Text (above 18pt) WCAG AA × Fail

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 42.9010, 0.3277, 0.3522 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

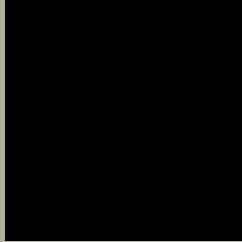
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

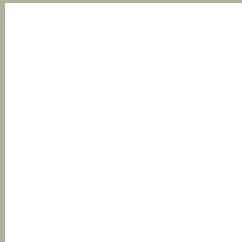
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.9010, 0.3277, 0.3522

Background



This preview shows how black text looks on a background with the Yxy color 42.9010, 0.3277, 0.3522.



This preview shows how white text looks on a background with the Yxy color 42.9010, 0.3277, 0.3522.

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

42.9010, 0.3277, 0.3522

Protanopia

42.6858, 0.3335, 0.3507

Deuteranopia

42.7843, 0.3469, 0.3407



Tritanopia

42.8740, 0.3092, 0.3106

Trichromacy



Original Color

42.9010, 0.3277, 0.3522

Protanomaly

42.8319, 0.3315, 0.3521

Deuteranomaly

42.9903, 0.3396, 0.3449

Tritanomaly

42.7250, 0.3165, 0.3250

Monochromacy



Original Color

42.9010, 0.3277, 0.3522

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

42.6385, 0.3177, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9010, 0.3277, 0.3522 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(177, 176, 159)` looks like.

```
.text, #text, p{  
    color:rgb(177, 176, 159)  
}
```

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(177, 176, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 176, 159) }
```

Border

The CSS property to change the border of an element to Yxy 42.9010, 0.3277, 0.3522 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(177, 176, 159) }
```

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

```
.border{ border-color:rgb(177, 176, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 176, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 176, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 176, 159);  
box-shadow:4px 4px 4px 4px rgb(177, 176,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9010, 0.3277, 0.3522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 176, 159) }
```

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

```
.background{ background-color: rgb(177,  
176, 159) }
```

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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