

# Converting Colors

$Y_{xy}(28.6023, 0.3286, 0.3393)$

Have a look what the booklet for  
Yxy(28.6023, 0.3286, 0.3393)  
contains.

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# Color

**Yxy(28.5538, 0.3284, 0.3385)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	99908A
RGB	153, 144, 138
RGB Percent	60%, 56%, 54%
CMY	0.3999, 0.4353, 0.4588
CMYK	0.00, 0.06, 0.10, 0.40
HSL	24°, 7%, 57%
HSV	24°, 10%, 60%
XYZ	27.7018, 28.5538, 28.0983
YIQ	146.0070, 7.2900, 0.0420

# Conversions

## Conversions Part 2

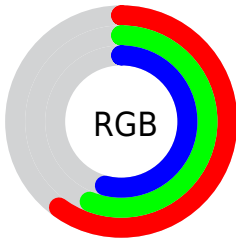
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	153, 148, 138
Decimal	10064010
CIE <sub>Lab</sub>	60.39, 2.26, 4.37
CIE <sub>LCh</sub>	60, 4.917, 62.660
Yxy	28.5538, 0.3284, 0.3385
Android (android.graphics.Color)	4288254090 (0xFF99908A)
YUV	146.0070, -3.9475, 6.1329
Hunter-Lab	53.4358, -0.9757, 6.2284

# Details

The Yxy color  $28.5538, 0.3284, 0.3385$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $28.5850, 0.2980, 0.3193$ , and the grayscale version is  $28.7639, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $57.4152, 0.3251, 0.3373$ , and  $11.5348, 0.3342, 0.3428$  is the 20% darker color. If you saturate the color by 10%, you get  $25.4674, 0.3469, 0.3488$ , and if you desaturate by 10%, it is  $31.9325, 0.3124, 0.3288$ .

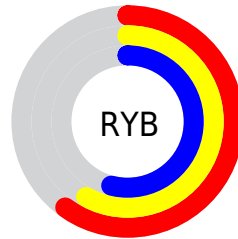
# Distribution



Red (60%)

Green (56%)

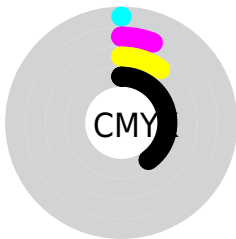
Blue (54%)



Red (60%)

Yellow (58%)

Blue (54%)

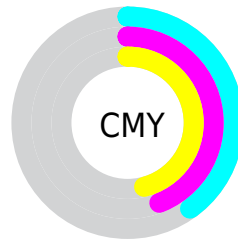


Cyan (0%)

Magenta (6%)

Yellow (10%)

Black (40%)



Cyan (40%)

Magenta (44%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.5538, 0.3284, 0.3385 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 28.5538, 0.3284, 0.3385 by changing the saturation by 10% instead.




 28.5538, 0.3284,  
0.3385


 28.5538, 0.3284,  
0.3385


295.1038, 0.3199,  
0.3334


 18.7435, 0.3308,  
0.3399


 57.3674, 0.3251,  
0.3366

 11.4851, 0.3340,  
0.3418


 77.1395, 0.3240,  
0.3359

 6.3941, 0.3386,  
0.3445


 101.0011, 0.3230,  
0.3353

 3.0862, 0.3458,  
0.3486

129.3364, 0.3222,  
0.3348

 1.1769, 0.3585,  
0.3556

162.5300, 0.3215,  
0.3344

 0.0427, 0.6915,  
0.3085

200.9661, 0.3209,

 0.0000, 0.0000,

0.3340

0.0000

245.0293, 0.3204,  
0.3337

■ 28.5538, 0.3284,  
0.3385

■ 28.5538, 0.3284,  
0.3385

■ 25.4674, 0.3469,  
0.3488

■ 31.9325, 0.3124,  
0.3288

■ 22.6615, 0.3683,  
0.3594

■ 35.6073, 0.2987,  
0.3198

■ 20.1291, 0.3928,  
0.3700

■ 39.5869, 0.2869,  
0.3115

■ 17.8612, 0.4202,  
0.3800

■ 43.8784, 0.2768,  
0.3039

■ 15.8485, 0.4502,  
0.3886

■ 48.4886, 0.2680,  
0.2970

■ 14.0811, 0.4817,  
0.3945

■ 53.4240, 0.2604,  
0.2906

■ 12.5481, 0.5130,  
0.3967

■ 58.6912, 0.2538,  
0.2848

■ 11.2377, 0.5417,  
0.3941

■ 63.9417, 0.2506,  
0.2853

■ 10.1307, 0.5671,  
0.3876

■ 68.8374, 0.2524,  
0.2964

# Harmonies

## Analogous

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



28.5538, 0.3277, 0.3321



28.5538, 0.3284, 0.3385



28.5538, 0.3248, 0.3425

# Triad

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



28.5538, 0.3284, 0.3385



28.5538, 0.3025, 0.3330



28.5538, 0.3073, 0.3156

# Complementary

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



28.5538, 0.3284, 0.3385



28.5850, 0.2980, 0.3193

# 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.



28.5538, 0.3007, 0.3157



28.5538, 0.3284, 0.3385



28.5538, 0.2980, 0.3256

# Square

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



28.5538, 0.3284, 0.3385



28.5538, 0.3099, 0.3393



28.5538, 0.2973, 0.3193



28.5538, 0.3154, 0.3190



# Rectangle

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



28.5538, 0.3284, 0.3385



28.5538, 0.3205, 0.3431



28.5538, 0.2973, 0.3193



28.5538, 0.3048, 0.3152

# Sweetspot

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



28.5551, 0.3284, 0.3385



55.1456, 0.3174, 0.3319



27.0691, 0.3197, 0.3145



12.0729, 0.3186, 0.3326



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290



# Same Dimension

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



28.5551, 0.3284, 0.3385



49.7329, 0.3326, 0.3409



30.8325, 0.3272, 0.3498



6.6066, 0.3274, 0.3379



8.4160, 0.5663, 0.3885



0.1940, 0.4971, 0.4435



# Inverse Universe

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



28.5850, 0.2980, 0.3193



49.7983, 0.2943, 0.3168



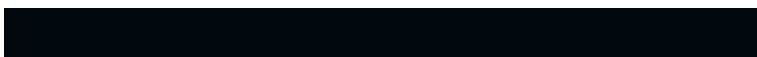
26.3906, 0.2979, 0.3074



6.6131, 0.2989, 0.3199



8.2957, 0.1878, 0.1960



0.1949, 0.2054, 0.2595



# Previews

## White Background



This preview shows how the Yxy color 28.5538, 0.3284, 0.3385 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5538, 0.3284, 0.3385 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

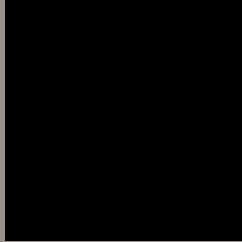
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

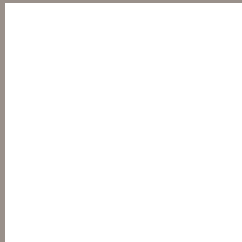
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 28.5538, 0.3284, 0.3385**

## Background



This preview shows how black text looks on a background with the Yxy color 28.5538, 0.3284, 0.3385.



This preview shows how white text looks on a background with the Yxy color 28.5538, 0.3284, 0.3385.

# 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

28.5538, 0.3284, 0.3385

### Protanopia

28.5989, 0.3240, 0.3386

### Deuteranopia

28.5952, 0.3378, 0.3321



## Tritanopia

28.6145, 0.3156, 0.3121

# Trichromacy



## Original Color

28.5538, 0.3284, 0.3385

## Protanomaly

28.6942, 0.3250, 0.3386

## Deuteranomaly

28.5810, 0.3343, 0.3337

## Tritanomaly

28.6531, 0.3195, 0.3212

# Monochromacy



## Original Color

28.5538, 0.3284, 0.3385

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

28.6235, 0.3189, 0.3322

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.5538, 0.3284, 0.3385 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(153, 144, 138)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 138)  
}
```

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(153, 144, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 28.5538, 0.3284, 0.3385 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(153, 144, 138) }
```

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

```
.border{ border-color:rgb(153, 144, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 138);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
138) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.5538, 0.3284, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 138) }
```

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

```
.background{ background-color: rgb(153,  
144, 138) }
```

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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