

# Converting Colors

$Y_{xy}(28.7489, 0.3550, 0.3635)$

Have a look what the booklet for  
Yxy(28.7489, 0.3550, 0.3635)  
contains.

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**Color**

**Yxy(28.6025, 0.3554, 0.3634)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A18F79
RGB	161, 143, 121
RGB Percent	63%, 56%, 47%
CMY	0.3686, 0.4392, 0.5255
CMYK	0.00, 0.11, 0.25, 0.37
HSL	33°, 18%, 55%
HSV	33°, 25%, 63%
XYZ	27.9728, 28.6025, 22.1327
YIQ	145.8740, 17.7900, -3.0260

# Conversions

## Conversions Part 2

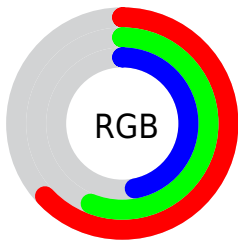
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	154, 161, 121
Decimal	10588025
CIE <sub>Lab</sub>	60.43, 3.15, 14.18
CIE <sub>LCh</sub>	60, 14.525, 77.480
Yxy	28.6025, 0.3554, 0.3634
Android (android.graphics.Color)	4288778105 (0xFFA18F79)
YUV	145.8740, -12.2629, 13.2655
Hunter-Lab	53.4813, -0.2297, 12.9003

# Details

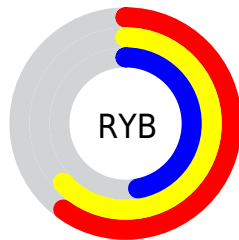
The Yxy color  $28.6025, 0.3554, 0.3634$  is a dark color, and the websafe version is hex  $999999$ . A complement of this color would be  $25.1039, 0.2739, 0.2920$ , and the grayscale version is  $28.7369, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $57.5486, 0.3466, 0.3573$ , and  $11.5478, 0.3711, 0.3762$  is the 20% darker color. If you saturate the color by 10%, you get  $26.1353, 0.3762, 0.3779$ , and if you desaturate by 10%, it is  $31.2788, 0.3367, 0.3491$ .

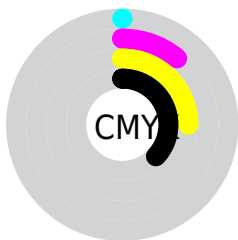
# Distribution



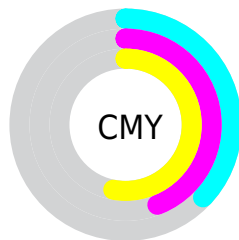
- Red (63%)
- Green (56%)
- Blue (47%)



- Red (60%)
- Yellow (63%)
- Blue (47%)



- Cyan (0%)
- Magenta (11%)
- Yellow (25%)
- Black (37%)




- Cyan (37%)
- Magenta (44%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 28.6025, 0.3554, 0.3634 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 28.6025, 0.3554, 0.3634 by changing the saturation by 10% instead.





 28.6025, 0.3554,  
0.3634


 28.6025, 0.3554,  
0.3634


295.3348, 0.3323,  
0.3450


 18.7803, 0.3618,  
0.3684


 57.4449, 0.3465,  
0.3564

 11.5117, 0.3705,  
0.3750


 77.2340, 0.3434,  
0.3539

 6.4121, 0.3827,  
0.3842


 101.1141, 0.3407,  
0.3518

 3.0972, 0.4013,  
0.3977

129.4697, 0.3385,  
0.3500

 1.1827, 0.4572,  
0.4432

162.6852, 0.3366,  
0.3485

 0.0475, 0.7197,  
0.2803

201.1449, 0.3350,

 0.0000, 0.0000,

0.3472

0.0000

245.2333, 0.3335,  
0.3460

■ 28.6025, 0.3554,  
0.3634

■ 28.6025, 0.3554,  
0.3634

■ 26.1353, 0.3762,  
0.3779

■ 31.2788, 0.3367,  
0.3491

■ 23.8674, 0.3988,  
0.3920

■ 34.1659, 0.3201,  
0.3354

■ 21.7938, 0.4230,  
0.4050

■ 37.2704, 0.3054,  
0.3225

■ 19.9079, 0.4479,  
0.4157

■ 40.5975, 0.2925,  
0.3104

■ 18.2023, 0.4725,  
0.4231

■ 44.1520, 0.2811,  
0.2993

■ 16.6691, 0.4953,  
0.4260

■ 47.9389, 0.2711,  
0.2891

■ 15.2990, 0.5151,  
0.4237

■ 51.9625, 0.2623,  
0.2797

■ 14.6483, 0.5248,  
0.4215

■ 56.2274, 0.2546,  
0.2711

■ 60.0157, 0.2532,  
0.2745

# Harmonies

## Analogous

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



28.6025, 0.3601, 0.3469



28.6025, 0.3554, 0.3634



28.6025, 0.3390, 0.3713

# Triad

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



28.6025, 0.3554, 0.3634



28.6025, 0.2752, 0.3294



28.6025, 0.3080, 0.2944

# Complementary

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



28.6025, 0.3554, 0.3634



25.1039, 0.2739, 0.2920

# 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.



28.6025, 0.2859, 0.2892



28.6025, 0.3554, 0.3634



28.6025, 0.2675, 0.3082

# Square

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



28.6025, 0.3554, 0.3634



28.6025, 0.2927, 0.3514



28.6025, 0.2714, 0.2939



28.6025, 0.3321, 0.3079



# Rectangle

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



28.6025, 0.3554, 0.3634



28.6025, 0.3240, 0.3699



28.6025, 0.2714, 0.2939



28.6025, 0.3001, 0.2916

# Sweetspot

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



28.6038, 0.3554, 0.3634



59.9679, 0.3237, 0.3384



23.1347, 0.3402, 0.2999



13.0899, 0.3246, 0.3392



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290



# Same Dimension

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



28.6038, 0.3554, 0.3634



48.6512, 0.3670, 0.3717



34.3144, 0.3479, 0.3898



7.7014, 0.3272, 0.3414



11.7796, 0.5237, 0.4224



0.3403, 0.4770, 0.4595



# Inverse Universe

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



25.1039, 0.2739, 0.2920



41.2582, 0.2645, 0.2821



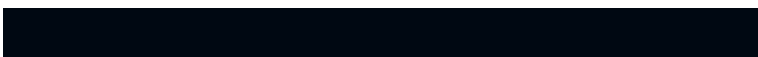
20.4078, 0.2726, 0.2607



7.3603, 0.2987, 0.3163



5.8834, 0.1736, 0.1448



0.2176, 0.1932, 0.2154



# Previews

## White Background



This preview shows how the Yxy color 28.6025, 0.3554, 0.3634 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 28.6025, 0.3554, 0.3634 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

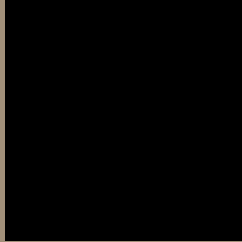
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 28.6025, 0.3554, 0.3634**

## Background



This preview shows how black text looks on a background with the Yxy color 28.6025, 0.3554, 0.3634.



This preview shows how white text looks on a background with the Yxy color 28.6025, 0.3554, 0.3634.

# 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

28.6025, 0.3554, 0.3634

### Protanopia

28.5260, 0.3458, 0.3658

### Deuteranopia

28.4861, 0.3634, 0.3565



## Tritanopia

28.5598, 0.3288, 0.3125

# Trichromacy



## Original Color

28.6025, 0.3554, 0.3634

## Protanomaly

28.5198, 0.3494, 0.3638

## Deuteranomaly

28.4542, 0.3596, 0.3583

## Tritanomaly

28.4068, 0.3392, 0.3306

# Monochromacy



## Original Color

28.6025, 0.3554, 0.3634

## Achromatopsia

28.7441, 0.3127, 0.3290

## Achromatomaly

28.6363, 0.3270, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 28.6025, 0.3554, 0.3634 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(161, 143, 121)` looks like.

```
.text, #text, p{  
    color:rgb(161, 143, 121)  
}
```

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(161, 143, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 143, 121) }
```

## Border

The CSS property to change the border of an element to Yxy 28.6025, 0.3554, 0.3634 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(161, 143, 121) }
```

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

```
.border{ border-color:rgb(161, 143, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 143, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 143, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 143, 121);  
box-shadow:4px 4px 4px 4px rgb(161, 143,  
121) }
```



# Background

The CSS property to change the background color of an element to Yxy 28.6025, 0.3554, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 143, 121) }
```

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

```
.background{ background-color: rgb(161,  
143, 121) }
```

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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