

# Converting Colors

$Yxy(45.0278, 0.3226, 0.3576)$

Have a look what the booklet for  
Yxy(45.0278, 0.3226, 0.3576)  
contains.

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# Color

**Yxy(45.0278, 0.3226, 0.3576)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEB6A1
RGB	174, 182, 161
RGB Percent	68%, 71%, 63%
CMY	0.3175, 0.2863, 0.3686
CMYK	0.04, 0.00, 0.12, 0.29
HSL	83°, 13%, 67%
HSV	83°, 12%, 71%
XYZ	40.6207, 45.0278, 40.2682
YIQ	177.2140, 1.9730, -8.2270

# Conversions

## Conversions Part 2

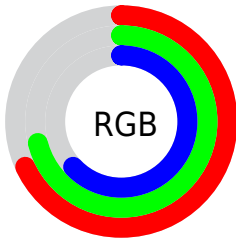
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">161, 182, 169</a>
Decimal	<a href="#">11450017</a>
CIELab	<a href="#">72.91, -6.61, 9.73</a>
CIELCh	<a href="#">73, 11.767, 124.182</a>
Yxy	<a href="#">45.0278, 0.3226, 0.3576</a>
Android (android.graphics.Color)	<a href="#">4289640097 (0xFFAEB6A1)</a>
YUV	<a href="#">177.2140, -7.9935, -2.8187</a>
Hunter-Lab	<a href="#">67.1028, -9.3747, 11.3922</a>

# Details

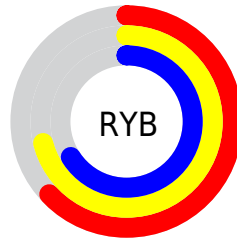
The Yxy color **45.0278, 0.3226, 0.3576** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **37.2991, 0.3020, 0.3000**, and the grayscale version is **44.1296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9299, 0.3210, 0.3521**, and **20.9422, 0.3263, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **43.6602, 0.3311, 0.3842**, and if you desaturate by 10%, it is **46.5336, 0.3140, 0.3327**.

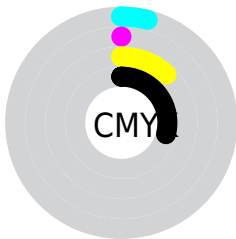
# Distribution



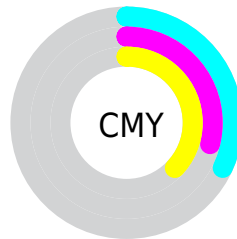
- Red (68%)
- Green (71%)
- Blue (63%)



- Red (63%)
- Yellow (71%)
- Blue (66%)



- Cyan (4%)
- Magenta (0%)
- Yellow (12%)
- Black (29%)



- Cyan (32%)
- Magenta (29%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.0278, 0.3226, 0.3576 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 45.0278, 0.3226, 0.3576 by changing the saturation by 10% instead.





 45.0278, 0.3226,  
0.3576


 45.0278, 0.3226,  
0.3576

366.8861, 0.3177,  
0.3430

 31.4793, 0.3238,  
0.3613


 82.7621, 0.3208,  
0.3522

 20.9641, 0.3253,  
0.3662


 107.7168, 0.3202,  
0.3502

 13.0978, 0.3273,  
0.3727


137.2423, 0.3196,  
0.3486

 7.4959, 0.3300,  
0.3821

171.7230, 0.3191,  
0.3471

 3.7741, 0.3339,  
0.3964

211.5433, 0.3187,  
0.3459

 1.5480, 0.3401,  
0.4215

257.0877, 0.3183,

 0.3222, 0.3101,

0.3448

0.6899

308.7405, 0.3180,  
0.3439

0.0000, 0.0000,  
0.0000

45.0278, 0.3226,  
0.3576

45.0278, 0.3226,  
0.3576

43.6602, 0.3311,  
0.3842

46.5336, 0.3140,  
0.3327

42.4204, 0.3393,  
0.4119

48.1760, 0.3056,  
0.3096

41.3052, 0.3468,  
0.4401

49.9613, 0.2976,  
0.2886

40.3095, 0.3530,  
0.4677

51.8934, 0.2900,  
0.2696

39.4275, 0.3575,  
0.4935

53.9760, 0.2829,  
0.2525

■ 38.6527, 0.3599,  
0.5163

■ 55.1948, 0.2860,  
0.2508

■ 37.9780, 0.3600,  
0.5348

■ 56.2661, 0.2911,  
0.2519

■ 37.3950, 0.3577,  
0.5484

■ 57.3821, 0.2964,  
0.2531

■ 36.9593, 0.3544,  
0.5568

■ 58.5434, 0.3016,  
0.2543

# Harmonies

## Analogous

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



45.0278, 0.3370, 0.3570



45.0278, 0.3226, 0.3576



45.0278, 0.3058, 0.3500

# Triad

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



45.0278, 0.3226, 0.3576



45.0278, 0.2815, 0.3083



45.0278, 0.3344, 0.3214

# Complementary

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



45.0278, 0.3226, 0.3576



37.2991, 0.3020, 0.3000

# 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.



45.0278, 0.3190, 0.3093



45.0278, 0.3226, 0.3576



45.0278, 0.2886, 0.3016

# Square

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



45.0278, 0.3226, 0.3576



45.0278, 0.2824, 0.3210



45.0278, 0.3022, 0.3021



45.0278, 0.3440, 0.3357



# Rectangle

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



45.0278, 0.3226, 0.3576



45.0278, 0.2956, 0.3413



45.0278, 0.3022, 0.3021



45.0278, 0.3297, 0.3170

# Sweetspot

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



45.0298, 0.3226, 0.3576



83.9390, 0.3153, 0.3363



40.7822, 0.3318, 0.3395



18.4896, 0.3160, 0.3383



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290



# Same Dimension

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



45.0298, 0.3226, 0.3576



80.9471, 0.3249, 0.3646



43.8993, 0.3137, 0.3584



10.3285, 0.3207, 0.3520



26.1401, 0.3551, 0.5562



0.9558, 0.3719, 0.5429



# Inverse Universe

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



37.2991, 0.3020, 0.3000



63.9680, 0.2992, 0.2928



38.4746, 0.3114, 0.3009



8.8812, 0.3042, 0.3058



3.3164, 0.1825, 0.0779



0.1529, 0.2135, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 45.0278, 0.3226, 0.3576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

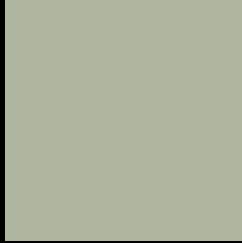
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.0278, 0.3226, 0.3576 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

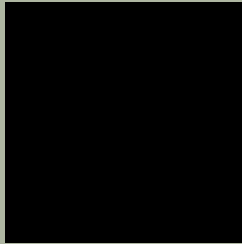
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

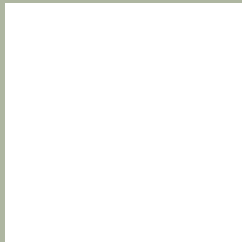
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.0278, 0.3226, 0.3576**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.0278, 0.3226, 0.3576.



This preview shows how white text looks on a background with the Yxy color 45.0278, 0.3226, 0.3576.

# 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

45.0278, 0.3226, 0.3576

### Protanopia

44.9088, 0.3365, 0.3542

### Deuteranopia

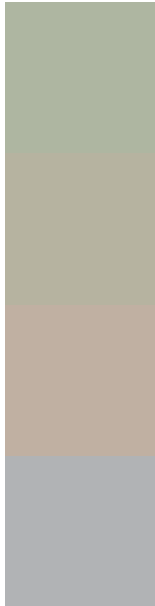
44.7059, 0.3482, 0.3405



## Tritanopia

45.2303, 0.3025, 0.3108

# Trichromacy



## Original Color

45.0278, 0.3226, 0.3576

## Protanomaly

44.7233, 0.3310, 0.3545

## Deuteranomaly

44.8658, 0.3389, 0.3473

## Tritanomaly

44.9235, 0.3094, 0.3263

# Monochromacy



## Original Color

45.0278, 0.3226, 0.3576

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

44.4106, 0.3166, 0.3398

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.0278, 0.3226, 0.3576 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(174, 182, 161)` looks like.

```
.text, #text, p{  
    color:rgb(174, 182, 161)  
}
```

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(174, 182, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 182, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 45.0278, 0.3226, 0.3576 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(174, 182, 161) }
```

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

```
.border{ border-color:rgb(174, 182, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 182, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 182, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 182, 161);  
box-shadow:4px 4px 4px 4px rgb(174, 182,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.0278, 0.3226, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 182, 161) }
```

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

```
.background{ background-color: rgb(174,  
182, 161) }
```

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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