

# Converting Colors

XYZ(35.9422, 34.7357, 24.9641)

Have a look what the booklet for  
XYZ(35.9422, 34.7357, 24.9641)  
contains.

<b>XYZ(36.0453, 34.8076, 24.8974)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(36.0453, 34.8076,  
24.8974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BD987F
RGB	189, 152, 127
RGB Percent	74%, 60%, 50%
CMY	0.2588, 0.4039, 0.5020
CMYK	0.00, 0.20, 0.33, 0.26
HSL	24°, 32%, 62%
HSV	24°, 33%, 74%
XYZ	36.0453, 34.8076, 24.8974
YIQ	160.2130, 30.0770, 0.0690

# Conversions

## Conversions Part 2

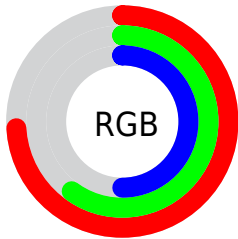
Format	Color
<a href="#">RYB</a>	<a href="#">189, 169, 127</a>
Decimal	<a href="#">12425343</a>
CIELab	<a href="#">65.60, 10.20, 18.39</a>
CIElCh	<a href="#">66, 21.025, 60.988</a>
Yxy	<a href="#">34.8076, 0.3765, 0.3635</a>
Android (android.graphics.Color)	<a href="#">4290615423</a> ( <a href="#">0xFFBD987F</a> )
YUV	<a href="#">160.2130, -16.3740, 25.2462</a>
Hunter-Lab	<a href="#">58.9980, 5.8096, 16.2779</a>

# Details

The XYZ color **36.0453, 34.8076, 24.8974** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **31.2128, 34.7360, 53.2039**, and the grayscale version is **33.5761, 35.3247, 38.4686**.

A 20% lighter version of the original color is **68.3156, 67.0307, 52.5176**, and **15.8603, 14.9258, 9.2528** is the 20% darker color. If you saturate the color by 10%, you get **33.1832, 30.8730, 18.4258**, and if you desaturate by 10%, it is **39.3144, 39.1860, 32.6454**.

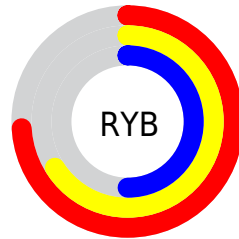
# Distribution



Red (74%)

Green (60%)

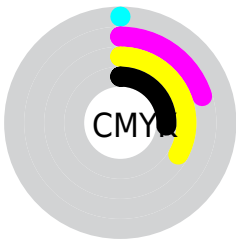
Blue (50%)



Red (74%)

Yellow (66%)

Blue (50%)

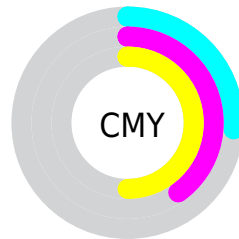


Cyan (0%)

Magenta (20%)

Yellow (33%)

Black (26%)



Cyan (26%)

Magenta (40%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0453, 34.8076, 24.8974 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 XYZ color 36.0453, 34.8076, 24.8974 by changing the saturation by 10% instead.





 36.0453, 34.8076,  
24.8974


 36.0453, 34.8076,  
24.8974


320.5863,  
323.7183, 290.7579


 24.6395, 23.5147,  
15.7823


 68.4254, 67.1876,  
52.4528

 15.9359, 14.9740,  
9.2176

 90.1304, 89.0435,  
71.7302

 9.5694, 8.8012,  
4.7846


 115.9991,  
115.1892, 95.2320

 5.1745, 4.6117,  
2.0649

146.3969,  
146.0091, 123.3769

 2.3858, 2.0213,  
0.5948

181.6891,  
181.8875, 156.5835

 0.8380, 0.6198,  
0.0000

222.2412,

 0.0000, 0.0000,

223.2089, 195.2701

0.0000

268.4185,  
270.3577, 239.8554

■ 36.0453, 34.8076,  
24.8974

■ 36.0453, 34.8076,  
24.8974

■ 33.1832, 30.8730,  
18.4258

■ 39.3144, 39.1860,  
32.6454

■ 30.7075, 27.3626,  
13.1586

■ 43.0044, 44.0174,  
41.7322

■ 28.6000, 24.2621,  
9.0200


■ 47.1317, 49.3168,  
52.2184


■ 26.8394, 21.5546,  
5.9244


■ 51.7110, 55.0970,  
64.1605


■ 25.4018, 19.2216,  
3.7738


■ 56.7565, 61.3702,  
77.6116

 24.2595, 17.2427,  
2.4510

 62.2814, 68.1484,  
92.6224

 23.5861, 16.0184,  
1.8487

 67.5982, 75.1626,  
105.5528

 70.8563, 81.6787,  
106.6388

 74.3214, 88.6090,  
107.7938

# Harmonies

## Analogous

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



38.4349, 34.8076, 29.8071



36.0453, 34.8076, 24.8974



32.9814, 34.8076, 23.3225

# Triad

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



36.0453, 34.8076, 24.8974



27.4989, 34.8076, 38.1933



36.2332, 34.8076, 54.4121

# Complementary

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



36.0453, 34.8076, 24.8974



31.2128, 34.7360, 53.2039

# 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.



33.1860, 34.8076, 57.5538



36.0453, 34.8076, 24.8974



28.2535, 34.8076, 47.3383

# Square

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



36.0453, 34.8076, 24.8974



28.1616, 34.8076, 30.2415



30.2887, 34.8076, 54.7858



38.5481, 34.8076, 46.7522



# Rectangle

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



36.0453, 34.8076, 24.8974



31.0037, 34.8076, 24.1457



30.2887, 34.8076, 54.7858



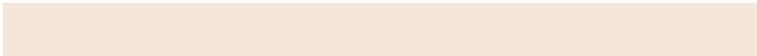
35.2544, 34.8076, 56.0806

# Sweetspot

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



36.0462, 34.8092, 24.8981



78.8976, 81.2616, 79.4593



35.2949, 28.6855, 38.8937



16.7505, 17.1960, 16.5434



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



36.0462, 34.8092, 24.8981



60.9846, 57.4511, 36.4462



41.7095, 46.1359, 26.7859



9.8375, 10.1510, 10.0175



15.9401, 10.9190, 1.2674



0.6887, 0.5564, 0.0711



# Inverse Universe

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



31.2128, 34.7360, 53.2039



51.0482, 57.2867, 94.5931



26.3530, 25.0164, 51.5840



9.4770, 10.1464, 12.1312



10.2132, 10.5381, 33.8887



0.4626, 0.5379, 1.3483



# Previews

## White Background



This preview shows how the XYZ color 36.0453, 34.8076, 24.8974 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 XYZ color 36.0453, 34.8076, 24.8974 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](#).

**XYZ 36.0453, 34.8076, 24.8974**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0453, 34.8076, 24.8974.



This preview shows how white text looks on a background with the XYZ color 36.0453, 34.8076,



# 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

36.0453, 34.8076, 24.8974

### Protanopia

32.7896, 34.8430, 26.1163

### Deuteranopia

35.4717, 34.7539, 24.9173



## Tritanopia

38.5861, 34.8895, 37.5015

# Trichromacy



## Original Color

36.0453, 34.8076, 24.8974

## Protanomaly

33.7554, 34.5920, 25.6667

## Deuteranomaly

35.7155, 34.8796, 24.9287

## Tritanomaly

37.4998, 34.6778, 32.3208

# Monochromacy



## Original Color

36.0453, 34.8076, 24.8974

## Achromatopsia

33.4132, 35.1533, 38.2819

## Achromatomaly

34.1969, 34.9100, 32.9529

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0453, 34.8076, 24.8974 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(189, 152, 127)` looks like.

```
.text, #text, p{  
    color:rgb(189, 152, 127)  
}
```

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(189, 152, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 152, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0453, 34.8076, 24.8974 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(189, 152, 127) }
```



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

```
.border{ border-color:rgb(189, 152, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 152, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 152, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 152, 127);  
box-shadow:4px 4px 4px 4px rgb(189, 152,  
127) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0453, 34.8076, 24.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 152, 127) }
```

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

```
.background{ background-color: rgb(189,  
152, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor