

# Converting Colors

XYZ(45.9075, 47.4812, 40.0029)

Have a look what the booklet for  
XYZ(45.9075, 47.4812, 40.0029)  
contains.

<b>XYZ(45.8950, 47.4561, 39.9987)</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(45.8950, 47.4561,  
39.9987)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C5B5A0
RGB	197, 181, 160
RGB Percent	77%, 71%, 63%
CMY	0.2274, 0.2902, 0.3725
CMYK	0.00, 0.08, 0.19, 0.23
HSL	34°, 24%, 70%
HSV	34°, 19%, 77%
XYZ	45.8950, 47.4561, 39.9987
YIQ	183.3900, 16.2770, -3.1390

# Conversions

## Conversions Part 2

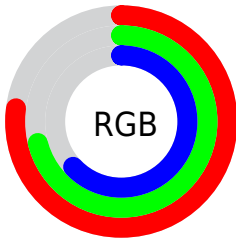
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	188, 197, 160
Decimal	12957088
CIE <sub>Lab</sub>	74.48, 2.26, 12.76
CIE <sub>LCh</sub>	74, 12.962, 79.950
Yxy	47.4561, 0.3442, 0.3559
Android (android.graphics.Color)	4291147168 (0xFFC5B5A0)
YUV	183.3900, -11.5313, 11.9360
Hunter-Lab	68.8884, -1.6339, 13.7963

# Details

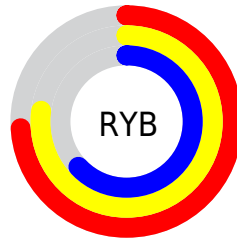
The XYZ color **45.8950, 47.4561, 39.9987** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **40.1004, 42.5546, 58.9241**, and the grayscale version is **45.2800, 47.6381, 51.8779**.

A 20% lighter version of the original color is **83.4230, 86.5455, 76.5981**, and **21.7536, 22.3607, 17.3569** is the 20% darker color. If you saturate the color by 10%, you get **42.6276, 43.4639, 31.0702**, and if you desaturate by 10%, it is **49.5440, 51.7736, 50.4028**.

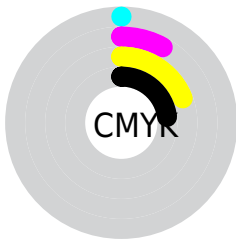
# Distribution



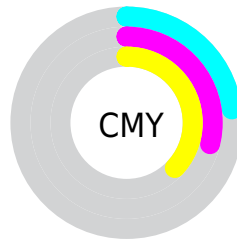
- Red (77%)
- Green (71%)
- Blue (63%)



- Red (74%)
- Yellow (77%)
- Blue (63%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (23%)




- Cyan (23%)
- Magenta (29%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 45.8950, 47.4561, 39.9987 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 45.8950, 47.4561, 39.9987 by changing the saturation by 10% instead.





 45.8950, 47.4561,  
39.9987


 45.8950, 47.4561,  
39.9987


361.1094,  
376.6322, 361.6700

 32.3672, 33.3964,  
27.2238


 83.2907, 86.3940,  
76.3986

 21.7991, 22.4303,  
17.5074


 107.8893,  
112.0410, 100.8606

 13.8251, 14.1734,  
10.4312


136.9089,  
142.3192, 130.0554

 8.0800, 8.2414,  
5.5764

170.7149,  
177.6130, 164.4016

 4.1984, 4.2498,  
2.5247

209.6725,  
218.3068, 204.3175

 1.8150, 1.8142,  
0.8532

254.1473,

 0.5267, 0.4960,

264.7850, 250.2219

0.0000

304.5044,  
317.4320, 302.5332

■ 0.0000, 0.0000,  
0.0000

■ 45.8950, 47.4561,  
39.9987

■ 45.8950, 47.4561,  
39.9987

■ 42.6276, 43.4639,  
31.0702

■ 49.5440, 51.7736,  
50.4028

■ 39.7232, 39.7817,  
23.5462

■ 53.5845, 56.4184,  
62.3432

■ 37.1673, 36.4022,  
17.3539

■ 58.0310, 61.4008,  
75.8810

■ 34.9428, 33.3154,  
12.4130

■ 62.8957, 66.7285,  
91.0727

■ 33.0309, 30.5105,  
8.6342

■ 67.6216, 72.1813,  
104.9761

■ 31.4103, 27.9757,  
5.9162

■ 69.9627, 76.8635,  
105.7565

■ 30.0564, 25.6976,  
4.1402

■ 72.4200, 81.7781,  
106.5756

■ 28.9299, 23.6568,  
3.1104

■ 74.9951, 86.9284,  
107.4339

■ 28.8017, 23.4216,  
3.0028

■ 76.8361, 90.6104,  
108.0476

# Harmonies

## Analogous

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



48.0617, 47.4561, 42.4262



45.8950, 47.4561, 39.9987



43.5885, 47.4561, 40.4856

# Triad

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



45.8950, 47.4561, 39.9987



41.0089, 47.4561, 56.1919



48.6365, 47.4561, 60.4103

# Complementary

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



45.8950, 47.4561, 39.9987



40.1004, 42.5546, 58.9241

# 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.



46.6575, 47.4561, 64.7488



45.8950, 47.4561, 39.9987



42.2732, 47.4561, 62.1712

# Square

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



45.8950, 47.4561, 39.9987



40.8207, 47.4561, 49.4563



44.3253, 47.4561, 65.4197



49.6804, 47.4561, 53.9521



# Rectangle

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



45.8950, 47.4561, 39.9987



42.2790, 47.4561, 42.4134



44.3253, 47.4561, 65.4197



48.0554, 47.4561, 62.1877

# Sweetspot

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



45.8963, 47.4582, 39.9997



90.6096, 94.9055, 95.7476



43.4371, 40.1485, 46.5522



19.2942, 20.1978, 20.2009



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

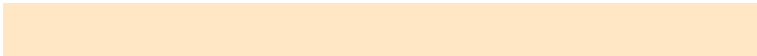


# Same Dimension

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



45.8963, 47.4582, 39.9997



79.4415, 81.6571, 64.0080



48.6972, 54.0111, 41.1169



11.1251, 11.6194, 11.2192



19.0284, 15.5740, 2.0032



0.9720, 0.8794, 0.1185



# Inverse Universe

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



40.1004, 42.5546, 58.9241



66.9494, 71.0893, 104.8007



37.6447, 36.9038, 57.9628



10.4275, 11.0291, 13.4967



8.8539, 7.1017, 35.6485

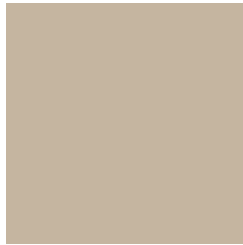


0.4909, 0.4796, 1.7118



# Previews

## White Background



This preview shows how the XYZ color 45.8950, 47.4561, 39.9987 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 45.8950, 47.4561, 39.9987 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

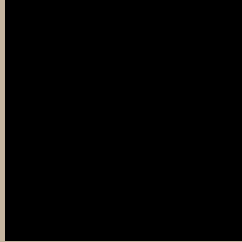
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 45.8950, 47.4561, 39.9987**

## **Background**



This preview shows how black text looks on a background with the XYZ color 45.8950, 47.4561, 39.9987.



This preview shows how white text looks on a background with the XYZ color 45.8950, 47.4561,



# 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

45.8950, 47.4561, 39.9987

### Protanopia

45.1047, 47.6466, 40.5377

### Deuteranopia

48.4497, 47.5728, 40.3471



## Tritanopia

49.1038, 47.5795, 55.3109

# Trichromacy



## Original Color

45.8950, 47.4561, 39.9987

## Protanomaly

45.4091, 47.4984, 40.4930

## Deuteranomaly

47.5303, 47.3931, 40.3609

## Tritanomaly

47.8765, 47.3748, 49.2687

# Monochromacy



## Original Color

45.8950, 47.4561, 39.9987

## Achromatopsia

45.0092, 47.3531, 51.5676

## Achromatomaly

45.2048, 47.2424, 47.2936

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 45.8950, 47.4561, 39.9987 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(197, 181, 160)` looks like.

```
.text, #text, p{  
    color:rgb(197, 181, 160)  
}
```

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(197, 181, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 181, 160) }
```

## Border

The CSS property to change the border of an element to XYZ 45.8950, 47.4561, 39.9987 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".

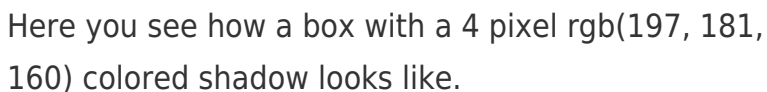
```
.border, #border, table{ border:4px solid rgb(197, 181, 160) }
```



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

```
.border{ border-color:rgb(197, 181, 160) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 181, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 181, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 181, 160); box-shadow:4px 4px 4px 4px rgb(197, 181, 160) }
```

# Background

The CSS property to change the background color of an element to XYZ 45.8950, 47.4561, 39.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 181, 160) }
```

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

```
.background{ background-color: rgb(197,  
181, 160) }
```

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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