

# Converting Colors

XYZ(46.6192, 47.4370, 37.4217)

Have a look what the booklet for  
XYZ(46.6192, 47.4370, 37.4217)  
contains.

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# **Color**

**XYZ(46.7826, 47.6721,  
37.3078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CBB49A
RGB	203, 180, 154
RGB Percent	80%, 71%, 60%
CMY	0.2039, 0.2941, 0.3961
CMYK	0.00, 0.11, 0.24, 0.20
HSL	32°, 32%, 70%
HSV	32°, 24%, 80%
XYZ	46.7826, 47.6721, 37.3078
YIQ	183.9130, 22.0540, -3.2100

# Conversions

## Conversions Part 2

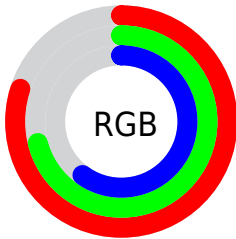
Format	Color
<a href="#">RYB</a>	<a href="#">197, 203, 154</a>
Decimal	<a href="#">13350042</a>
CIELab	<a href="#">74.62, 4.18, 16.29</a>
CIELCh	<a href="#">75, 16.815, 75.592</a>
Yxy	<a href="#">47.6721, 0.3551, 0.3618</a>
Android (android.graphics.Color)	<a href="#">4291540122 (0xFFCBB49A)</a>
YUV	<a href="#">183.9130, -14.7471, 16.7393</a>
Hunter-Lab	<a href="#">69.0450, 0.1170, 16.2947</a>

# Details

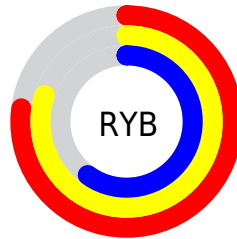
The XYZ color **46.7826, 47.6721, 37.3078** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.8278, 42.6251, 62.6285**, and the grayscale version is **45.5833, 47.9572, 52.2253**.

A 20% lighter version of the original color is **82.6206, 85.8050, 71.8820**, and **22.2503, 22.4539, 15.9933** is the 20% darker color. If you saturate the color by 10%, you get **43.3755, 43.3385, 28.5243**, and if you desaturate by 10%, it is **50.6104, 52.3888, 47.6433**.

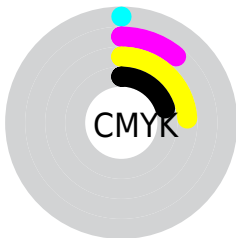
# Distribution



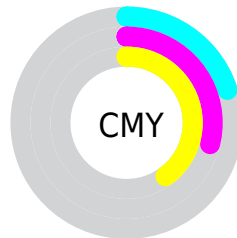
- Red (80%)
- Green (71%)
- Blue (60%)



- Red (77%)
- Yellow (80%)
- Blue (60%)



- Cyan (0%)
- Magenta (11%)
- Yellow (24%)
- Black (20%)




- Cyan (20%)
- Magenta (29%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7826, 47.6721, 37.3078 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 46.7826, 47.6721, 37.3078 by changing the saturation by 10% instead.





 46.7826, 47.6721,  
37.3078


 46.7826, 47.6721,  
37.3078


364.6095,  
377.4909, 349.8499

 33.0711, 33.5673,  
25.1482


 84.6097, 86.7160,  
72.2375

 22.3404, 22.5614,  
15.9675


 109.4560,  
112.4239, 95.8448

 14.2252, 14.2700,  
9.3471


138.7446,  
142.7682, 124.1050

 8.3602, 8.3087,  
4.8683


172.8409,  
178.1334, 157.4368

 4.3800, 4.2931,  
2.1128

212.1101,  
218.9039, 196.2587

 1.9193, 1.8388,  
0.6234

256.9178,

 0.5880, 0.5112,

265.4641, 240.9891

0.0000

307.6291,  
318.1983, 292.0467

■ 0.0000, 0.0000,  
0.0000

■ 46.7826, 47.6721,  
37.3078

■ 46.7826, 47.6721,  
37.3078

■ 43.3755, 43.3385,  
28.5243

■ 50.6104, 52.3888,  
47.6433

■ 40.3684, 39.3706,  
21.2132

■ 54.8710, 57.4926,  
59.5991

■ 37.7440, 35.7587,  
15.2923

■ 59.5808, 62.9957,  
73.2429

■ 35.4825, 32.4905,  
10.6700

■ 64.7539, 68.9077,  
88.6377

■ 33.5615, 29.5522,  
7.2436

■ 70.3231, 75.2053,  
105.4174

■ 31.9557, 26.9291,  
4.8945

■ 73.0111, 80.5814,  
106.3134

■ 30.6350, 24.6039,  
3.4791

■ 75.8458, 86.2507,  
107.2583

■ 29.9630, 23.3651,  
2.9307

■ 78.4387, 91.4366,  
108.1226

# Harmonies

## Analogous

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



49.5304, 47.6721, 40.8312



46.7826, 47.6721, 37.3078



43.7561, 47.6721, 37.3798

# Triad

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



46.7826, 47.6721, 37.3078



39.9049, 47.6721, 56.5432



49.6213, 47.6721, 64.5397

# Complementary

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



46.7826, 47.6721, 37.3078



39.8278, 42.6251, 62.6285

# 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.



46.9021, 47.6721, 69.7806



46.7826, 47.6721, 37.3078



41.3381, 47.6721, 64.8235

# Square

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



46.7826, 47.6721, 37.3078



39.8761, 47.6721, 47.8475



43.8704, 47.6721, 69.8899



51.2184, 47.6721, 56.1895



# Rectangle

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



46.7826, 47.6721, 37.3078



41.9896, 47.6721, 39.4364



43.8704, 47.6721, 69.8899



48.8028, 47.6721, 66.7626

# Sweetspot

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



46.7839, 47.6743, 37.3088



89.6936, 93.6743, 93.5893



44.1888, 39.0100, 47.1542



19.1030, 19.9368, 19.7636



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.



46.7839, 47.6743, 37.3088



75.2563, 75.9396, 54.4343



51.5958, 57.6274, 38.9763



11.6969, 12.1828, 11.8145



19.1602, 15.0533, 1.8957



1.0640, 0.9278, 0.1230



# Inverse Universe

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



39.8278, 42.6251, 62.6285



61.6109, 66.0361, 104.1067



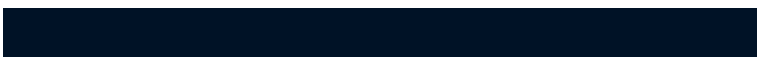
35.8181, 34.3741, 61.2472



11.0286, 11.6976, 14.2470



9.5693, 8.1626, 37.0275

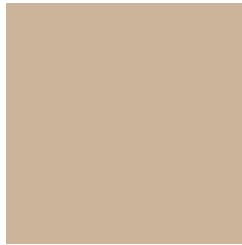


0.5694, 0.5726, 1.9354



# Previews

## White Background



This preview shows how the XYZ color 46.7826, 47.6721, 37.3078 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 46.7826, 47.6721, 37.3078 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

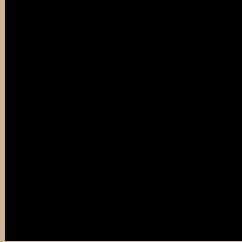
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.7826, 47.6721, 37.3078**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.7826, 47.6721, 37.3078.



This preview shows how white text looks on a background with the XYZ color 46.7826, 47.6721,



# 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

46.7826, 47.6721, 37.3078

### Protanopia

44.9266, 47.6047, 38.2732

### Deuteranopia

48.7899, 47.8079, 37.6667



## Tritanopia

50.2474, 47.5995, 54.6834

# Trichromacy



## Original Color

46.7826, 47.6721, 37.3078

## Protanomaly

45.6703, 47.6928, 37.8089

## Deuteranomaly

48.1313, 47.7627, 37.6927

## Tritanomaly

49.0122, 47.7007, 47.6982

# Monochromacy



## Original Color

46.7826, 47.6721, 37.3078

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

45.9622, 47.9605, 46.3700

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.7826, 47.6721, 37.3078 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(203, 180, 154)` looks like.

```
.text, #text, p{  
    color:rgb(203, 180, 154)  
}
```

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(203, 180, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 180, 154) }
```

## Border

The CSS property to change the border of an element to XYZ 46.7826, 47.6721, 37.3078 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(203, 180, 154) }
```



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

```
.border{ border-color:rgb(203, 180, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 180, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 180, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 180, 154);  
box-shadow:4px 4px 4px 4px rgb(203, 180,  
154) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.7826, 47.6721, 37.3078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 180, 154) }
```

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

```
.background{ background-color: rgb(203,  
180, 154) }
```

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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