

# Converting Colors

XYZ(39.7910, 44.7124, 26.6108)

Have a look what the booklet for  
XYZ(39.7910, 44.7124, 26.6108)  
contains.

<b>XYZ(39.6460, 44.5251, 26.5833)</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(39.6460, 44.5251,  
26.5833)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6B57F
RGB	182, 181, 127
RGB Percent	71%, 71%, 50%
CMY	0.2863, 0.2902, 0.5020
CMYK	0.00, 0.01, 0.30, 0.29
HSL	59°, 27%, 61%
HSV	59°, 30%, 71%
XYZ	39.6460, 44.5251, 26.5833
YIQ	175.1430, 17.9300, -16.5820

# Conversions

## Conversions Part 2

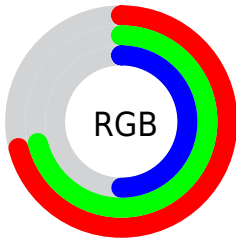
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 182, 127
Decimal	11974015
CIELab	72.58, -8.22, 27.72
CIELCh	73, 28.912, 106.510
Yxy	44.5251, 0.3580, 0.4020
Android (android.graphics.Color)	4290164095 (0xFFB6B57F)
YUV	175.1430, -23.7345, 6.0136
Hunter-Lab	66.7271, -10.7165, 23.0886

# Details

The XYZ color **39.6460, 44.5251, 26.5833** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.9150, 23.3271, 47.4454**, and the grayscale version is **40.9351, 43.0669, 46.8998**.

A 20% lighter version of the original color is **74.1190, 82.2144, 55.1425**, and **17.9608, 20.5634, 10.0437** is the 20% darker color. If you saturate the color by 10%, you get **38.4990, 43.9608, 20.8683**, and if you desaturate by 10%, it is **41.0097, 45.1794, 33.4288**.

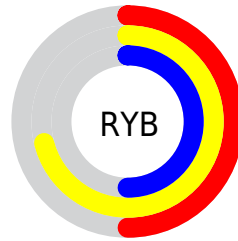
# Distribution



Red (71%)

Green (71%)

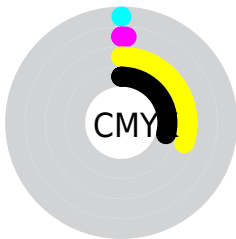
Blue (50%)



Red (50%)

Yellow (71%)

Blue (50%)

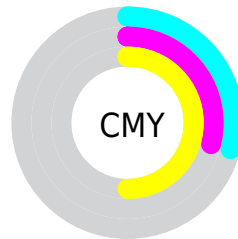


Cyan (0%)

Magenta (1%)

Yellow (30%)

Black (29%)



Cyan (29%)

Magenta (29%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.6460, 44.5251, 26.5833 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 39.6460, 44.5251, 26.5833 by changing the saturation by 10% instead.



■ 39.6460, 44.5251,  
26.5833

■ 39.6460, 44.5251,  
26.5833

335.7893,  
364.8468, 299.3299

■ 27.4456, 31.0835,  
17.0309

■ 73.9119, 82.0073,  
55.2101

■ 18.0465, 20.6625,  
10.0943

■ 96.7082, 106.8167,  
75.1214

■ 11.0833, 12.8775,  
5.3551

■ 123.7671,  
136.1843, 99.3229

■ 6.1906, 7.3442,  
2.3947

155.4541,  
170.4942, 128.2329

■ 3.0031, 3.6783,  
0.7836

192.1344,  
210.1311, 162.2701

■ 1.1554, 1.4953,  
0.0000

234.1735,

■ 0.0707, 0.2854,

255.4792, 201.8530

0.0000

281.9367,  
306.9230, 247.4001

■ 0.0000, 0.0000,  
0.0000

■ 39.6460, 44.5251,  
26.5833

■ 39.6460, 44.5251,  
26.5833

■ 38.4990, 43.9608,  
20.8683

■ 41.0097, 45.1794,  
33.4288

■ 37.5538, 43.4759,  
16.2201

■ 42.5974, 45.9221,  
41.4581

■ 36.7989, 43.0674,  
12.5732


■ 44.4203, 46.7590,  
50.7247


■ 36.2202, 42.7297,  
9.8536


■ 46.4876, 47.6940,  
61.2779

■ 35.8018, 42.4563,  
7.9771


■ 48.8082, 48.7306,  
73.1644

 35.5248, 42.2397,  
6.8445

 51.3906, 49.8721,  
86.4284

 35.3527, 42.0677,  
6.2566

 54.2428, 51.1218,  
101.1122

 54.4072, 51.2966,  
101.6414

 54.4755, 51.4332,  
101.6642

# Harmonies

## Analogous

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



44.6023, 44.5251, 26.3325



39.6460, 44.5251, 26.5833



35.7210, 44.5251, 31.8924

# Triad

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



39.6460, 44.5251, 26.5833



36.0420, 44.5251, 71.3251



52.3739, 44.5251, 55.1910

# Complementary

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



39.6460, 44.5251, 26.5833



24.9150, 23.3271, 47.4454

# 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.



49.6849, 44.5251, 70.0060



39.6460, 44.5251, 26.5833



40.1164, 44.5251, 80.4858

# Square

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



39.6460, 44.5251, 26.5833



33.7552, 44.5251, 56.7334



45.1111, 44.5251, 79.9603



52.2228, 44.5251, 41.0690



# Rectangle

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



39.6460, 44.5251, 26.5833



34.1007, 44.5251, 38.3129



45.1111, 44.5251, 79.9603



51.7636, 44.5251, 60.3039

# Sweetspot

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



39.6471, 44.5271, 26.5842



77.5606, 83.4099, 76.8465



30.8325, 26.7049, 24.2409



17.0311, 18.3765, 16.4675



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



39.6471, 44.5271, 26.5842



70.5061, 80.0537, 41.3455



34.3339, 42.0896, 26.3938



9.7359, 10.4747, 9.6156



24.9713, 29.7189, 4.4202



0.8847, 1.0565, 0.1573



# Inverse Universe

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



24.9150, 23.3271, 47.4454



39.6589, 35.6647, 85.0294



29.1073, 25.2966, 47.6046



8.5338, 8.7448, 11.3176



5.9933, 2.4462, 31.4094



0.2157, 0.0951, 1.1087



# Previews

## White Background



This preview shows how the XYZ color 39.6460, 44.5251, 26.5833 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 39.6460, 44.5251, 26.5833 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

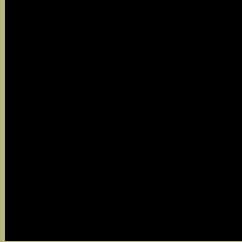
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 39.6460, 44.5251, 26.5833**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.6460, 44.5251, 26.5833.



This preview shows how white text looks on a background with the XYZ color 39.6460, 44.5251,



# 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

39.6460, 44.5251, 26.5833

### Protanopia

41.4245, 44.5536, 26.1551

### Deuteranopia

45.2011, 44.1833, 26.9148



## Tritanopia

44.8995, 44.2938, 53.1968

# Trichromacy



## Original Color

39.6460, 44.5251, 26.5833

## Protanomaly

40.6250, 44.4379, 26.1749

## Deuteranomaly

42.8518, 44.1100, 26.6776

## Tritanomaly

42.5666, 44.2064, 41.8865

# Monochromacy



## Original Color

39.6460, 44.5251, 26.5833

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

40.2538, 43.3779, 38.5989

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.6460, 44.5251, 26.5833 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(182, 181, 127)` looks like.

```
.text, #text, p{  
    color:rgb(182, 181, 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(182, 181, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 181, 127) }
```

## Border

The CSS property to change the border of an element to XYZ 39.6460, 44.5251, 26.5833 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(182, 181, 127) }
```



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

```
.border{ border-color:rgb(182, 181, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 181, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(182, 181, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(182, 181, 127); box-shadow:4px 4px 4px 4px rgb(182, 181, 127) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.6460, 44.5251, 26.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 181, 127) }
```

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

```
.background{ background-color: rgb(182,  
181, 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