

# Converting Colors

XYZ(39.9013, 44.6413, 41.7564)

Have a look what the booklet for  
XYZ(39.9013, 44.6413, 41.7564)  
contains.

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# Color

**XYZ(39.7910, 44.5712,  
41.6279)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A9B6A4
RGB	169, 182, 164
RGB Percent	66%, 71%, 64%
CMY	0.3372, 0.2863, 0.3569
CMYK	0.07, 0.00, 0.10, 0.29
HSL	103°, 11%, 68%
HSV	103°, 10%, 71%
XYZ	39.7910, 44.5712, 41.6279
YIQ	176.0610, -1.9700, -8.3540

# Conversions

## Conversions Part 2

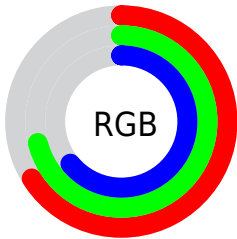
Format	Color
<a href="#">RYB</a>	<a href="#">164, 182, 177</a>
Decimal	<a href="#">11122340</a>
CIELab	<a href="#">72.61, -7.89, 7.62</a>
CIELCh	<a href="#">73, 10.969, 136.022</a>
Yxy	<a href="#">44.5712, 0.3158, 0.3538</a>
Android (android.graphics.Color)	<a href="#">4289312420 (0xFFA9B6A4)</a>
YUV	<a href="#">176.0610, -5.9461, -6.1925</a>
Hunter-Lab	<a href="#">66.7617, -10.4441, 9.7641</a>

# Details

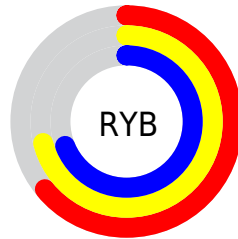
The XYZ color **39.7910, 44.5712, 41.6279** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.8521, 39.2766, 49.7389**, and the grayscale version is **41.3304, 43.4828, 47.3528**.

A 20% lighter version of the original color is **74.1012, 82.1108, 78.9613**, and **18.1110, 20.6523, 18.3610** is the 20% darker color. If you saturate the color by 10%, you get **35.5840, 42.5802, 33.4564**, and if you desaturate by 10%, it is **44.5193, 46.8063, 51.0536**.

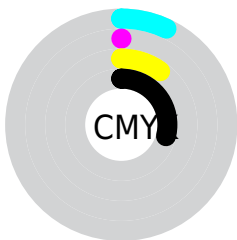
# Distribution



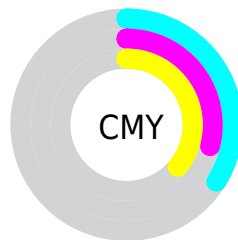
- Red (66%)
- Green (71%)
- Blue (64%)



- Red (64%)
- Yellow (71%)
- Blue (69%)



- Cyan (7%)
- Magenta (0%)
- Yellow (10%)
- Black (29%)



- Cyan (34%)
- Magenta (29%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7910, 44.5712, 41.6279 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 39.7910, 44.5712, 41.6279 by changing the saturation by 10% instead.



■ 39.7910, 44.5712,  
41.6279

■ 39.7910, 44.5712,  
41.6279

336.3914,  
365.0341, 368.6922

■ 27.5591, 31.1198,  
28.4866

■ 74.1315, 82.0766,  
78.9002

■ 18.1323, 20.6901,  
18.4506

■ 96.9709, 106.8994,  
103.8682

■ 11.1453, 12.8977,  
11.1012

124.0767,  
136.2814, 133.6157

■ 6.2327, 7.3581,  
6.0199

155.8145,  
170.6071, 168.5610

■ 3.0291, 3.6871,  
2.7882

192.5495,  
210.2608, 209.1228

■ 1.1692, 1.5001,  
0.9875

234.6471,

■ 0.0818, 0.2888,

255.6269, 255.7196

0.0000

282.4726,  
307.0899, 308.7698

0.0000, 0.0000,  
0.0000

39.7910, 44.5712,  
41.6279

39.7910, 44.5712,  
41.6279

35.5840, 42.5802,  
33.4564

44.5193, 46.8063,  
51.0536

31.8764, 40.8194,  
26.4834

49.7826, 49.2877,  
61.7801

28.6499, 39.2818,  
20.6534

55.5986, 52.0247,  
73.8554

25.8840, 37.9581,  
15.9052

61.9830, 55.0245,  
87.3240

23.5562, 36.8383,  
12.1722

68.9505, 58.2938,  
102.2255

■ 21.6424, 35.9115,  
9.3802

■ 73.4460, 60.6113,  
102.4359

■ 20.1155, 35.1656,  
7.4449

■ 76.0188, 61.9376,  
102.5563

■ 18.9449, 34.5870,  
6.2670

■ 18.0795, 34.1538,  
5.6451

# Harmonies

## Analogous

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



41.3642, 44.5712, 39.1608



39.7910, 44.5712, 41.6279



38.9196, 44.5712, 46.0491

# Triad

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



39.7910, 44.5712, 41.6279



41.4881, 44.5712, 59.3971



45.9694, 44.5712, 45.7021

# Complementary

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



39.7910, 44.5712, 41.6279



39.8521, 39.2766, 49.7389

# 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.



46.0050, 44.5712, 51.0994



39.7910, 44.5712, 41.6279



43.3790, 44.5712, 59.2867

# Square

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



39.7910, 44.5712, 41.6279



39.8794, 44.5712, 56.4479



45.0447, 44.5712, 56.1568



44.9489, 44.5712, 41.3903



# Rectangle

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



39.7910, 44.5712, 41.6279



38.8365, 44.5712, 49.6354



45.0447, 44.5712, 56.1568



46.0980, 44.5712, 47.4421

# Sweetspot

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



39.7922, 44.5731, 41.6289



77.8980, 83.5281, 86.9059



41.6964, 44.0321, 41.4241



17.0503, 18.3756, 18.8848



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.



39.7922, 44.5731, 41.6289



70.2933, 79.9333, 71.8457



39.0977, 44.1737, 43.4637



9.1183, 10.1776, 9.5908



12.8178, 24.1441, 3.9847



0.5140, 0.8832, 0.1434



# Inverse Universe

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



39.8521, 39.2766, 49.7389



70.4248, 68.2717, 89.7017



40.6144, 39.7156, 47.6993



9.1312, 9.0340, 11.3419



12.6894, 5.8528, 31.7140



0.5040, 0.2355, 1.1206



# Previews

## White Background



This preview shows how the XYZ color 39.7910, 44.5712, 41.6279 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

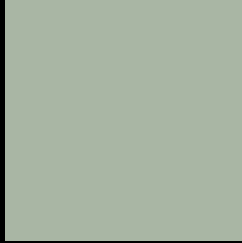
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.7910, 44.5712, 41.6279 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

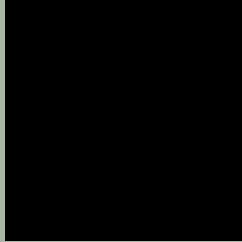
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

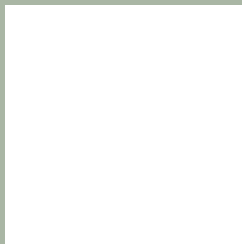
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 39.7910, 44.5712, 41.6279**

## **Background**



This preview shows how black text looks on a background with the XYZ color 39.7910, 44.5712, 41.6279.



This preview shows how white text looks on a background with the XYZ color 39.7910, 44.5712,



# 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

39.7910, 44.5712, 41.6279

### Protanopia

42.2513, 44.3672, 40.5193

### Deuteranopia

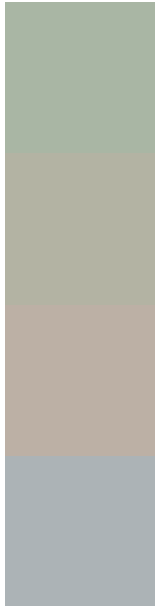
45.1886, 44.4003, 42.2648



## Tritanopia

42.6684, 44.5308, 56.2156

# Trichromacy



## Original Color

39.7910, 44.5712, 41.6279

## Protanomaly

41.3214, 44.4682, 41.0557

## Deuteranomaly

43.0559, 44.4586, 41.9094

## Tritanomaly

41.5769, 44.3883, 50.6324

# Monochromacy



## Original Color

39.7910, 44.5712, 41.6279

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

40.6004, 43.7036, 45.3255

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.7910, 44.5712, 41.6279 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(169, 182, 164)` looks like.

```
.text, #text, p{  
    color:rgb(169, 182, 164)  
}
```

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(169, 182, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 182, 164) }
```

## Border

The CSS property to change the border of an element to XYZ 39.7910, 44.5712, 41.6279 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(169, 182, 164) }
```



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

```
.border{ border-color:rgb(169, 182, 164) }
```

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

Here you see how a box with a 4 pixel rgb(169, 182, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 182, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 182, 164);  
box-shadow:4px 4px 4px 4px rgb(169, 182,  
164) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.7910, 44.5712, 41.6279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 182, 164) }
```

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

```
.background{ background-color: rgb(169,  
182, 164) }
```

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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