

# Converting Colors

XYZ(39.4143, 45.1391, 35.4215)

Have a look what the booklet for  
XYZ(39.4143, 45.1391, 35.4215)  
contains.

<b>XYZ(39.4401, 45.1409, 35.4885)</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(39.4401, 45.1409,  
35.4885)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABB896
RGB	171, 184, 150
RGB Percent	67%, 72%, 59%
CMY	0.3294, 0.2784, 0.4118
CMYK	0.07, 0.00, 0.18, 0.28
HSL	83°, 19%, 65%
HSV	83°, 18%, 72%
XYZ	39.4401, 45.1409, 35.4885
YIQ	176.2370, 3.1660, -13.3300

# Conversions

## Conversions Part 2

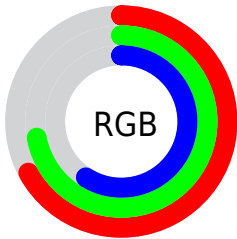
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">150, 184, 163</a>
Decimal	<a href="#">11253910</a>
CIELab	<a href="#">72.98, -10.62, 15.78</a>
CIELCh	<a href="#">73, 19.022, 123.926</a>
Yxy	<a href="#">45.1409, 0.3285, 0.3760</a>
Android (android.graphics.Color)	<a href="#">4289443990 (0xFFABB896)</a>
YUV	<a href="#">176.2370, -12.9348, -4.5928</a>
Hunter-Lab	<a href="#">67.1870, -12.7941, 15.7136</a>

# Details

The XYZ color **39.4401, 45.1409, 35.4885** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6641, 33.0611, 49.9042**, and the grayscale version is **41.4557, 43.6147, 47.4964**.

A 20% lighter version of the original color is **73.4232, 82.8486, 69.2483**, and **17.9762, 21.0554, 14.9210** is the 20% darker color. If you saturate the color by 10%, you get **36.5814, 43.8265, 28.2183**, and if you desaturate by 10%, it is **42.6155, 46.5944, 43.9900**.

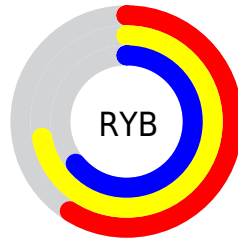
# Distribution



Red (67%)

Green (72%)

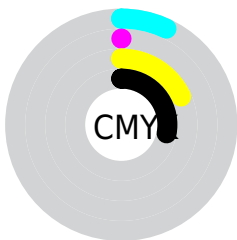
Blue (59%)



Red (59%)

Yellow (72%)

Blue (64%)

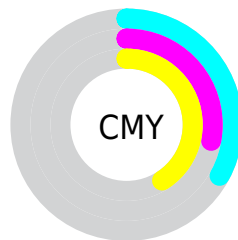


Cyan (7%)

Magenta (0%)

Yellow (18%)

Black (28%)



Cyan (33%)

Magenta (28%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4401, 45.1409, 35.4885 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 39.4401, 45.1409, 35.4885 by changing the saturation by 10% instead.




 39.4401, 45.1409,  
35.4885


 39.4401, 45.1409,  
35.4885


334.9330,  
367.3439, 341.6889

 27.2845, 31.5684,  
23.7529


 73.5999, 82.9318,  
69.4020

 17.9247, 21.0321,  
14.9399

 96.3349, 107.9190,  
92.4169

 10.9953, 13.1474,  
8.6311


123.3271,  
137.4799, 120.0286

 6.1310, 7.5302,  
4.4078

154.9418,  
171.9990, 152.6558

 2.9663, 3.7958,  
1.8516

191.5444,  
211.8605, 190.7168

 1.1360, 1.5600,  
0.4617

233.5002,

 0.0549, 0.3304,

257.4489, 234.6303

0.0000

281.1746,  
309.1486, 284.8148

■ 0.0000, 0.0000,  
0.0000

■ 39.4401, 45.1409,  
35.4885

■ 39.4401, 45.1409,  
35.4885

■ 36.5814, 43.8265,  
28.2183

■ 42.6155, 46.5944,  
43.9900

■ 34.0238, 42.6403,  
22.1192

■ 46.1154, 48.1857,  
53.7731

■ 31.7554, 41.5790,  
17.1308

■ 49.9518, 49.9214,  
64.8891

■ 29.7622, 40.6368,  
13.1856

■ 54.1347, 51.8055,  
77.3855

■ 28.0287, 39.8072,  
10.2092

■ 58.6739, 53.8421,  
91.3074

■ 26.5375, 39.0832,  
8.1170

■ 62.6963, 55.6821,  
102.0510

■ 25.2683, 38.4565,  
6.8102

■ 64.7849, 56.7588,  
102.1488

■ 24.1884, 37.9139,  
6.1236

■ 66.9632, 57.8818,  
102.2507

■ 24.0336, 37.8359,  
6.0363

■ 69.2322, 59.0515,  
102.3569

# Harmonies

## Analogous

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



42.4695, 45.1409, 33.0751



39.4401, 45.1409, 35.4885



37.4230, 45.1409, 41.5453

# Triad

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



39.4401, 45.1409, 35.4885



40.1601, 45.1409, 67.4683



49.5938, 45.1409, 47.9098

# Complementary

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



39.4401, 45.1409, 35.4885



34.6641, 33.0611, 49.9042

# 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.



48.8980, 45.1409, 57.6320



39.4401, 45.1409, 35.4885



43.3436, 45.1409, 69.7384

# Square

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



39.4401, 45.1409, 35.4885



37.8234, 45.1409, 60.0763



46.5673, 45.1409, 65.9341



48.4227, 45.1409, 39.6373



# Rectangle

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



39.4401, 45.1409, 35.4885



36.8654, 45.1409, 47.2415



46.5673, 45.1409, 65.9341



49.5708, 45.1409, 51.1108

# Sweetspot

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



39.4413, 45.1429, 35.4895



78.7033, 85.1236, 83.7442



38.2765, 38.3992, 34.2492



16.8812, 18.3119, 17.8170



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

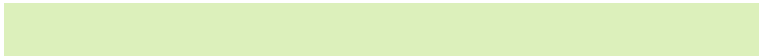


# Same Dimension

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



39.4413, 45.1429, 35.4895



69.4119, 80.8730, 58.9463



36.0751, 43.4075, 35.3319



9.4085, 10.3272, 9.6044



16.6436, 26.1164, 4.1638



0.6534, 0.9551, 0.1499



# Inverse Universe

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



34.6641, 33.0611, 49.9042



59.2160, 55.0842, 89.7159



38.2582, 34.9139, 50.0724



8.8371, 8.8824, 11.3281



7.7953, 3.3298, 31.4849



0.3446, 0.1534, 1.1132



# Previews

## White Background



This preview shows how the XYZ color 39.4401, 45.1409, 35.4885 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

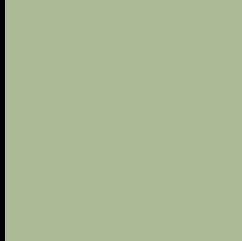
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 39.4401, 45.1409, 35.4885 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

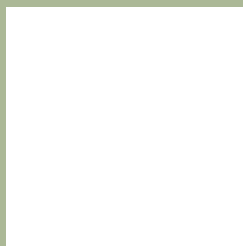
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 39.4401, 45.1409, 35.4885

## Background



This preview shows how black text looks on a background with the XYZ color 39.4401, 45.1409, 35.4885.



This preview shows how white text looks on a background with the XYZ color 39.4401, 45.1409,



# 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

39.4401, 45.1409, 35.4885

### Protanopia

42.3728, 45.1656, 34.0883

### Deuteranopia

45.8736, 44.8939, 35.9533



## Tritanopia

43.5663, 44.9937, 56.2576

# Trichromacy



## Original Color

39.4401, 45.1409, 35.4885

## Protanomaly

41.1606, 45.1309, 34.5587

## Deuteranomaly

43.1036, 44.6225, 35.6194

## Tritanomaly

41.9363, 44.9308, 48.0572

# Monochromacy



## Original Color

39.4401, 45.1409, 35.4885

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

40.5507, 44.0289, 42.9204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 39.4401, 45.1409, 35.4885 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(171, 184, 150)` looks like.

```
.text, #text, p{  
    color:rgb(171, 184, 150)  
}
```

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(171, 184, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 184, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 39.4401, 45.1409, 35.4885 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(171, 184, 150) }
```



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

```
.border{ border-color:rgb(171, 184, 150) }
```

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

Here you see how a box with a 4 pixel rgb(171, 184, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 184, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 184, 150);  
box-shadow:4px 4px 4px 4px rgb(171, 184,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 39.4401, 45.1409, 35.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 184, 150) }
```

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

```
.background{ background-color: rgb(171,  
184, 150) }
```

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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