

# Converting Colors

XYZ(40.1963, 41.5000, 44.4373)

Have a look what the booklet for  
XYZ(40.1963, 41.5000, 44.4373)  
contains.

<b>XYZ(40.2737, 41.5311, 44.4217)</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(40.2737, 41.5311,  
44.4217)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2ABAB
RGB	178, 171, 171
RGB Percent	70%, 67%, 67%
CMY	0.3020, 0.3294, 0.3294
CMYK	0.00, 0.04, 0.04, 0.30
HSL	0°, 4%, 68%
HSV	0°, 4%, 70%
XYZ	40.2737, 41.5311, 44.4217
YIQ	173.0930, 4.1720, 1.4840

# Conversions

## Conversions Part 2

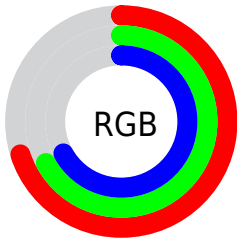
<b>Format</b>	<b>Color</b>
<b>RYB</b>	178, 171, 171
Decimal	11709355
CIELab	70.55, 2.50, 0.88
CIELCh	71, 2.654, 19.451
Yxy	41.5311, 0.3191, 0.3290
Android (android.graphics.Color)	4289899435 (0xFFB2ABAB)
YUV	173.0930, -1.0318, 4.3034
Hunter-Lab	64.4446, -1.2272, 4.2426

# Details

The XYZ color **40.2737, 41.5311, 44.4217** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.7508, 43.7124, 48.4095**, and the grayscale version is **39.7725, 41.8438, 45.5679**.

A 20% lighter version of the original color is **74.8555, 77.3761, 82.9413**, and **18.3840, 18.8855, 20.1291** is the 20% darker color. If you saturate the color by 10%, you get **35.5528, 34.6238, 35.0334**, and if you desaturate by 10%, it is **45.6779, 49.4382, 55.1661**.

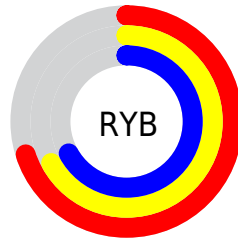
# Distribution



Red (70%)

Green (67%)

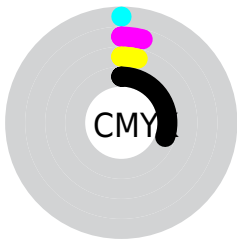
Blue (67%)



Red (70%)

Yellow (67%)

Blue (67%)

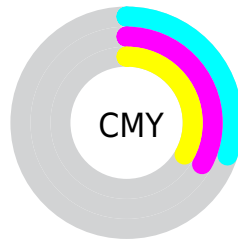


Cyan (0%)

Magenta (4%)

Yellow (4%)

Black (30%)



Cyan (30%)

Magenta (33%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2737, 41.5311, 44.4217 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 40.2737, 41.5311, 44.4217 by changing the saturation by 10% instead.



■ 40.2737, 41.5311,  
44.4217

■ 40.2737, 41.5311,  
44.4217

338.3905,  
352.5355, 380.5180

■ 27.9372, 28.7343,  
30.6625

■ 74.8618, 77.4895,  
83.1612

■ 18.4185, 18.8799,  
20.0857

97.8441, 101.4198,  
108.9785

■ 11.3524, 11.5835,  
12.2727

125.1057,  
129.8302, 139.6524

■ 6.3734, 6.4608,  
6.8049

157.0119,  
163.1049, 175.6013

■ 3.1162, 3.1272,  
3.2638

193.9282,  
201.6284, 217.2438

■ 1.2155, 1.1985,  
1.2308

236.2198,

■ 0.1186, 0.0605,

245.7851, 264.9983

0.0041

284.2521,  
295.9593, 319.2835

0.0000, 0.0000,  
0.0000

40.2737, 41.5311,  
44.4217

40.2737, 41.5311,  
44.4217

35.5528, 34.6238,  
35.0334

45.6779, 49.4382,  
55.1661

31.4846, 28.6713,  
26.9447

51.7873, 58.3769,  
67.3147

28.0415, 23.6332,  
20.0992

58.6273, 68.3845,  
80.9164

25.1925, 19.4644,  
14.4353

66.2209, 79.4946,  
96.0170

22.9040, 16.1157,  
9.8862

72.1703, 88.2051,  
107.8292

■ 21.1392, 13.5330,  
6.3784

■ 19.8565, 11.6558,  
3.8296

■ 19.0085, 10.4145,  
2.1450

■ 18.5379, 9.7253,  
1.2107

# Harmonies

## Analogous

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



40.3080, 41.5311, 45.6634



40.2737, 41.5311, 44.4217



40.0242, 41.5311, 43.4118

# Triad

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



40.2737, 41.5311, 44.4217



38.8374, 41.5311, 43.6700



39.3200, 41.5311, 47.6337

# Complementary

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



40.2737, 41.5311, 44.4217



40.7508, 43.7124, 48.4095

# 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.



38.9290, 41.5311, 47.0783



40.2737, 41.5311, 44.4217



38.6517, 41.5311, 44.7801

# Square

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



40.2737, 41.5311, 44.4217



39.1942, 41.5311, 42.9834



38.6851, 41.5311, 46.0284



39.7552, 41.5311, 47.5335



# Rectangle

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



40.2737, 41.5311, 44.4217



39.7705, 41.5311, 42.9987



38.6851, 41.5311, 46.0284



39.1791, 41.5311, 47.5171

# Sweetspot

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



40.2749, 41.5329, 44.4226



75.7618, 79.3059, 85.9784



40.9594, 41.8058, 48.0305



16.7964, 17.5868, 19.0711



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



40.2749, 41.5329, 44.4226



71.9848, 73.7797, 78.4682



40.9442, 42.8715, 44.6457



8.9024, 9.0994, 9.6531



13.1376, 6.7738, 0.6151



0.4135, 0.2133, 0.0194

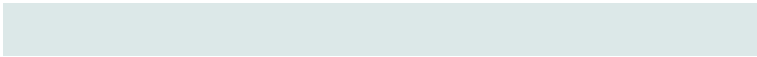


# Inverse Universe

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



40.7508, 43.7124, 48.4095



73.0926, 78.8530, 87.7489



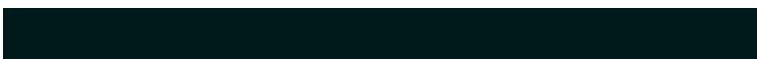
40.0639, 42.3385, 48.1806



9.0535, 9.7915, 10.9191



17.1294, 25.0592, 34.0711



0.5391, 0.7887, 1.0721



# Previews

## White Background



This preview shows how the XYZ color 40.2737, 41.5311, 44.4217 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 40.2737, 41.5311, 44.4217 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

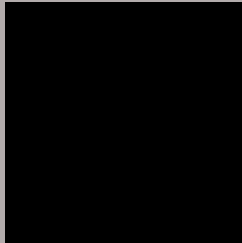
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

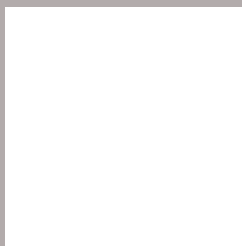
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.2737, 41.5311, 44.4217**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.2737, 41.5311, 44.4217.



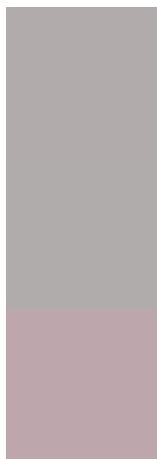
This preview shows how white text looks on a background with the XYZ color 40.2737, 41.5311,



# 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

40.2737, 41.5311, 44.4217

### Protanopia

40.0077, 41.6754, 44.4636

### Deuteranopia

42.2514, 41.4348, 44.8006



## Tritanopia

41.5576, 41.4981, 50.6194

# Trichromacy



## Original Color

40.2737, 41.5311, 44.4217

## Protanomaly

40.2347, 41.7924, 44.4742

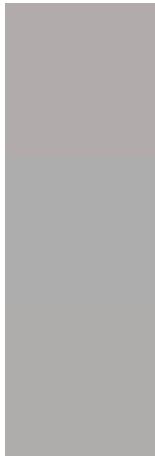
## Deuteranomaly

41.4566, 41.2981, 44.8161

## Tritanomaly

41.1018, 41.5878, 48.5088

# Monochromacy



## Original Color

40.2737, 41.5311, 44.4217

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

39.8781, 41.5976, 44.9571

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.2737, 41.5311, 44.4217 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(178, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 171)  
}
```

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(178, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 171) }
```

## Border

The CSS property to change the border of an element to XYZ 40.2737, 41.5311, 44.4217 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(178, 171, 171) }
```



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

```
.border{ border-color:rgb(178, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
171) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.2737, 41.5311, 44.4217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 171) }
```

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

```
.background{ background-color: rgb(178,  
171, 171) }
```

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