

# Converting Colors

XYZ(40.2238, 44.8682, 41.3154)

Have a look what the booklet for  
XYZ(40.2238, 44.8682, 41.3154)  
contains.

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# Color

**XYZ(40.1334, 44.7582,  
41.1743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABB6A3
RGB	171, 182, 163
RGB Percent	67%, 71%, 64%
CMY	0.3294, 0.2863, 0.3608
CMYK	0.06, 0.00, 0.10, 0.29
HSL	95°, 12%, 68%
HSV	95°, 10%, 71%
XYZ	40.1334, 44.7582, 41.1743
YIQ	176.5450, -0.4570, -8.2410

# Conversions

## Conversions Part 2

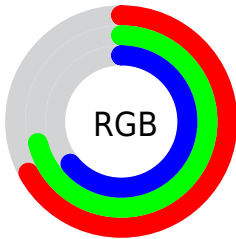
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 182, 174
Decimal	11253411
CIELab	72.73, -7.36, 8.36
CIELCh	73, 11.135, 131.351
Yxy	44.7582, 0.3184, 0.3550
Android (android.graphics.Color)	4289443491 (0xFFABB6A3)
YUV	176.5450, -6.6777, -4.8630
Hunter-Lab	66.9016, -9.9979, 10.3413

# Details

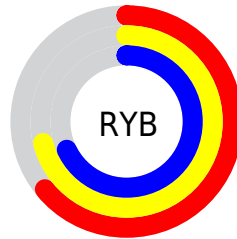
The XYZ color **40.1334, 44.7582, 41.1743** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **38.9981, 38.5717, 49.6480**, and the grayscale version is **41.5865, 43.7523, 47.6462**.

A 20% lighter version of the original color is **74.5935, 82.3798, 78.2991**, and **18.3272, 20.7701, 18.0820** is the 20% darker color. If you saturate the color by 10%, you get **36.4141, 43.0172, 33.0916**, and if you desaturate by 10%, it is **44.2730, 46.6913, 50.5037**.

# Distribution



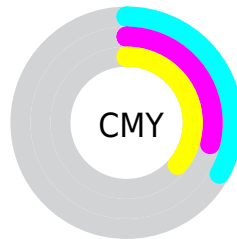
- Red (67%)
- Green (71%)
- Blue (64%)



- Red (64%)
- Yellow (71%)
- Blue (68%)



- Cyan (6%)
- Magenta (0%)
- Yellow (10%)
- Black (29%)



- Cyan (33%)
- Magenta (29%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.1334, 44.7582, 41.1743 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 40.1334, 44.7582, 41.1743 by changing the saturation by 10% instead.



■ 40.1334, 44.7582,  
41.1743

■ 40.1334, 44.7582,  
41.1743

337.8103,  
365.7934, 366.7468

■ 27.8272, 31.2670,  
28.1346

■ 74.6497, 82.3574,  
78.2050

■ 18.3353, 20.8023,  
18.1872

■ 97.5905, 107.2343,  
103.0330

■ 11.2921, 12.9795,  
10.9136

124.8069,  
136.6751, 132.6275

■ 6.3324, 7.4145,  
5.8954

156.6642,  
171.0644, 167.4071

■ 3.0908, 3.7226,  
2.7138

193.5279,  
210.7865, 207.7903

■ 1.2020, 1.5196,  
0.9504

235.7632,

■ 0.1079, 0.3025,

256.2257, 254.1956

0.0000

283.7356,  
307.7666, 307.0416

■ 0.0000, 0.0000,  
0.0000

■ 40.1334, 44.7582,  
41.1743

■ 40.1334, 44.7582,  
41.1743

■ 36.4141, 43.0172,  
33.0916

■ 44.2730, 46.6913,  
50.5037

■ 33.0972, 41.4564,  
26.1999

■ 48.8426, 48.8167,  
61.1264

■ 30.1687, 40.0711,  
20.4437

■ 53.8564, 51.1418,  
73.0903

■ 27.6126, 38.8543,  
15.7618

■ 59.3265, 53.6719,  
86.4400

■ 25.4114, 37.7986,  
12.0873

■ 65.2649, 56.4123,  
101.2179

■ 23.5461, 36.8958,  
9.3459

■ 68.7874, 58.2098,  
102.2179

■ 21.9954, 36.1366,  
7.4529

■ 72.3559, 60.0494,  
102.3849

■ 20.7348, 35.5108,  
6.3082

■ 76.0189, 61.9377,  
102.5563

■ 19.7585, 35.0196,  
5.7181

# Harmonies

## Analogous

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



41.8142, 44.7582, 39.0276



40.1334, 44.7582, 41.1743



39.1170, 44.7582, 45.4098

# Triad

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



40.1334, 44.7582, 41.1743



41.3642, 44.7582, 59.5281



46.2893, 44.7582, 46.6695

# Complementary

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



40.1334, 44.7582, 41.1743



38.9981, 38.5717, 49.6480

# 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.



46.1599, 44.7582, 52.2167



40.1334, 44.7582, 41.1743



43.2768, 44.7582, 59.9296

# Square

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



40.1334, 44.7582, 41.1743



39.8126, 44.7582, 56.1081



45.0437, 44.7582, 57.1668



45.3920, 44.7582, 42.0362



# Rectangle

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



40.1334, 44.7582, 41.1743



38.9337, 44.7582, 48.9854



45.0437, 44.7582, 57.1668



46.3652, 44.7582, 48.4836

# Sweetspot

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



40.1346, 44.7601, 41.1753



78.2297, 83.6992, 86.9215



40.9951, 42.7733, 40.7464



17.1423, 18.4230, 18.8891



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.



40.1346, 44.7601, 41.1753



70.8105, 80.2335, 70.3514



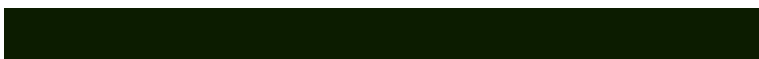
38.5585, 43.9344, 41.6971



9.2390, 10.2399, 9.5964



14.0250, 24.7664, 4.0412



0.5654, 0.9097, 0.1458



# Inverse Universe

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



38.9981, 38.5717, 49.6480



68.2504, 66.2951, 89.4348



40.7035, 39.4660, 49.0474



9.0057, 8.9693, 11.3360



10.1860, 4.5623, 31.5968



0.4280, 0.1964, 1.1171



# Previews

## White Background



This preview shows how the XYZ color 40.1334, 44.7582, 41.1743 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 40.1334, 44.7582, 41.1743 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

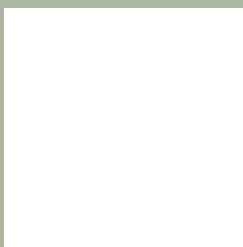
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 40.1334, 44.7582, 41.1743**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.1334, 44.7582, 41.1743.



This preview shows how white text looks on a background with the XYZ color 40.1334, 44.7582,



# 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

40.1334, 44.7582, 41.1743

### Protanopia

42.6031, 44.8531, 40.1303

### Deuteranopia

45.3635, 44.5010, 41.7960



## Tritanopia

43.1140, 44.7605, 56.2365

# Trichromacy



## Original Color

40.1334, 44.7582, 41.1743

## Protanomaly

41.6977, 44.6726, 40.6074

## Deuteranomaly

43.2124, 44.5498, 41.4434

## Tritanomaly

41.9161, 44.5751, 50.1107

# Monochromacy



## Original Color

40.1334, 44.7582, 41.1743

## Achromatopsia

41.7894, 43.9657, 47.8787

## Achromatomaly

41.2457, 44.3327, 45.4129

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.1334, 44.7582, 41.1743 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, 182, 163)` looks like.

```
.text, #text, p{  
    color:rgb(171, 182, 163)  
}
```

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, 182, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 182, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 40.1334, 44.7582, 41.1743 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, 182, 163) }
```



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

```
.border{ border-color:rgb(171, 182, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 182, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 182, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 182, 163);  
box-shadow:4px 4px 4px 4px rgb(171, 182,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.1334, 44.7582, 41.1743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 182, 163) }
```

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

```
.background{ background-color: rgb(171,  
182, 163) }
```

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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