

# Converting Colors

XYZ(36.7154, 41.2452, 40.4783)

Have a look what the booklet for  
XYZ(36.7154, 41.2452, 40.4783)  
contains.

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# Color

**XYZ(36.6334, 41.1686,  
40.6659)**

# Conversions

Conversions Part 1	
Format	Color
Hex	A0B0A3
RGB	160, 176, 163
RGB Percent	63%, 69%, 64%
CMY	0.3725, 0.3098, 0.3608
CMYK	0.09, 0.00, 0.07, 0.31
HSL	131°, 9%, 66%
HSV	131°, 9%, 69%
XYZ	36.6334, 41.1686, 40.6659
YIQ	169.7340, -5.3630, -7.4350

# Conversions

## Conversions Part 2

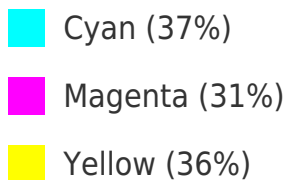
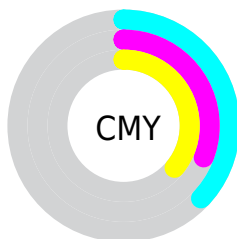
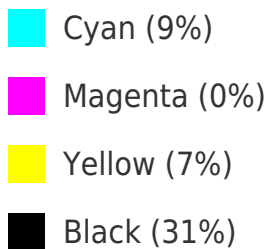
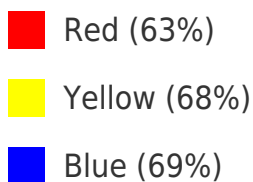
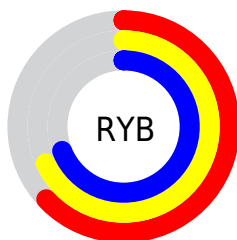
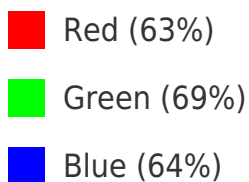
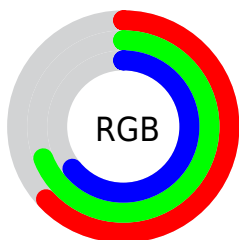
Format	Color
<a href="#">RYB</a>	<a href="#">160, 173, 176</a>
Decimal	<a href="#">10530979</a>
CIELab	<a href="#">70.29, -8.08, 4.75</a>
CIELCh	<a href="#">70, 9.377, 149.548</a>
Yxy	<a href="#">41.1686, 0.3092, 0.3475</a>
Android (android.graphics.Color)	<a href="#">4288721059</a> (0xFFA0B0A3)
YUV	<a href="#">169.7340, -3.3199, -8.5367</a>
Hunter-Lab	<a href="#">64.1628, -10.3712, 7.3364</a>

# Details

The XYZ color **36.6334, 41.1686, 40.6659** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.0196, 37.3899, 44.7502**, and the grayscale version is **38.0949, 40.0788, 43.6458**.

A 20% lighter version of the original color is **69.5358, 77.2223, 77.5701**, and **16.2612, 18.7511, 17.8012** is the 20% darker color. If you saturate the color by 10%, you get **32.1513, 38.9989, 34.1416**, and if you desaturate by 10%, it is **41.7609, 43.6566, 47.9785**.

# Distribution





# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6334, 41.1686, 40.6659 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 36.6334, 41.1686, 40.6659 by changing the saturation by 10% instead.





 36.6334, 41.1686,  
40.6659


 36.6334, 41.1686,  
40.6659


323.1038,  
351.0248, 364.5575

 25.0961, 28.4508,  
27.7404


 69.3261, 76.9398,  
77.4246

 16.2778, 18.6658,  
17.8927


 91.2122, 100.7620,  
102.0949

 9.8130, 11.4290,  
10.7043


117.2787,  
129.0545, 131.5172

 5.3365, 6.3562,  
5.7567

147.8909,  
162.2016, 166.1100

 2.4828, 3.0629,  
2.6313

183.4142,  
200.5878, 206.2919

 0.8866, 1.1646,  
0.9086

224.2138,


 0.0000, 0.0325,


244.5975, 252.4814


0.0000


270.6552,  
294.6150, 305.0971

 0.0000, 0.0000,  
0.0000


 36.6334, 41.1686,  
40.6659

 36.6334, 41.1686,  
40.6659


 32.1513, 38.9989,  
34.1416


 41.7609, 43.6566,  
47.9785


 28.2855, 37.1296,  
28.3768


 47.5545, 46.4695,  
56.1018


 25.0098, 35.5489,  
23.3444

 54.0382, 49.6204,  
65.0606

 22.2948, 34.2423,  
19.0152

 61.2340, 53.1201,  
74.8777

 20.1084, 33.1939,  
15.3578

 69.1626, 56.9789,  
85.5754

■ 18.4155, 32.3862,  
12.3383

■ 73.8347, 59.1397,  
96.9870

■ 17.1762, 31.7996,  
9.9202

■ 74.8161, 59.5323,  
102.1554

■ 16.3445, 31.4111,  
8.0627

■ 15.8391, 31.1798,  
6.7193

# Harmonies

## Analogous

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



37.6881, 41.1686, 37.8493



36.6334, 41.1686, 40.6659



36.2442, 41.1686, 44.7588

# Triad

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



36.6334, 41.1686, 40.6659



39.1062, 41.1686, 53.8462



41.7609, 41.1686, 40.7744

# Complementary

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



36.6334, 41.1686, 40.6659



38.0196, 37.3899, 44.7502

# 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.



42.1640, 41.1686, 44.8924



36.6334, 41.1686, 40.6659



40.6072, 41.1686, 52.6104

# Square

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



36.6334, 41.1686, 40.6659



37.6488, 41.1686, 52.5361



41.7365, 41.1686, 49.2597



40.6486, 41.1686, 37.9090



# Rectangle

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



36.6334, 41.1686, 40.6659



36.4064, 41.1686, 47.7217



41.7365, 41.1686, 49.2597



41.9851, 41.1686, 42.0491

# Sweetspot

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



36.6345, 41.1704, 40.6668



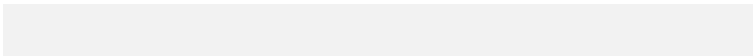
71.9126, 77.3193, 81.5880



39.1205, 42.4826, 39.3963



15.4230, 16.6779, 17.4511



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



36.6345, 41.1704, 40.6668



64.6368, 73.7920, 71.1503



37.3682, 41.4638, 44.5301



8.4519, 9.5153, 9.3735



11.6091, 22.8696, 4.9445



0.3846, 0.7273, 0.2574



# Inverse Universe

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



38.0196, 37.3899, 44.7502



67.6852, 65.4710, 80.1374



37.2742, 37.0917, 40.8250



8.7803, 8.6189, 10.3417



16.7949, 8.2355, 19.8780

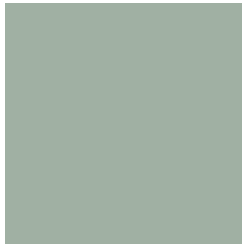


0.5461, 0.2662, 0.7185



# Previews

## White Background



This preview shows how the XYZ color 36.6334, 41.1686, 40.6659 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

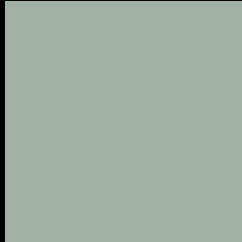
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6334, 41.1686, 40.6659 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

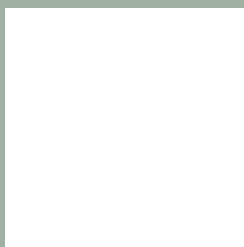
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.6334, 41.1686, 40.6659**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6334, 41.1686, 40.6659.



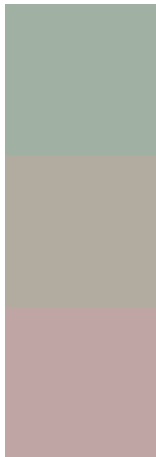
This preview shows how white text looks on a background with the XYZ color 36.6334, 41.1686,



# 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

36.6334, 41.1686, 40.6659

### Protanopia

39.0395, 41.0110, 39.1160

### Deuteranopia

41.9136, 41.0654, 41.3146



## Tritanopia

39.1163, 41.3248, 52.3692

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6334, 41.1686, 40.6659 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(160, 176, 163) looks like.

```
.text, #text, p{  
    color:rgb(160, 176, 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(160, 176, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 176, 163) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6334, 41.1686, 40.6659 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(160, 176, 163) }
```



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

```
.border{ border-color:rgb(160, 176, 163) }
```

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

Here you see how a box with a 4 pixel rgb(160, 176, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 176, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 176, 163);  
box-shadow:4px 4px 4px 4px rgb(160, 176,  
163) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6334, 41.1686, 40.6659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 176, 163) }
```

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

```
.background{ background-color: rgb(160,  
176, 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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