

# Converting Colors

XYZ(35.9548, 40.5793, 32.0195)

Have a look what the booklet for  
XYZ(35.9548, 40.5793, 32.0195)  
contains.

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# Color

**XYZ(36.0138, 40.7501,  
31.9540)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6AF8F
RGB	166, 175, 143
RGB Percent	65%, 69%, 56%
CMY	0.3490, 0.3137, 0.4392
CMYK	0.05, 0.00, 0.18, 0.31
HSL	77°, 17%, 62%
HSV	77°, 18%, 69%
XYZ	36.0138, 40.7501, 31.9540
YIQ	168.6610, 4.9080, -11.8600

# Conversions

## Conversions Part 2

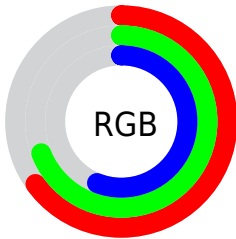
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 175, 152
Decimal	10923919
CIELab	70.00, -8.88, 15.37
CIELCh	70, 17.751, 120.025
Yxy	40.7501, 0.3313, 0.3748
Android (android.graphics.Color)	4289113999 (0xFFA6AF8F)
YUV	168.6610, -12.6509, -2.3337
Hunter-Lab	63.8358, -11.0096, 15.0065

# Details

The XYZ color **36.0138, 40.7501, 31.9540** is a light color, and the websafe version is hex **999966**. A complement of this color would be **30.5108, 29.4165, 44.6295**, and the grayscale version is **37.6043, 39.5627, 43.0837**.

A 20% lighter version of the original color is **68.4728, 76.5552, 63.9911**, and **15.9982, 18.5336, 13.0901** is the 20% darker color. If you saturate the color by 10%, you get **33.7781, 39.7402, 25.4606**, and if you desaturate by 10%, it is **38.4981, 41.8667, 39.5404**.

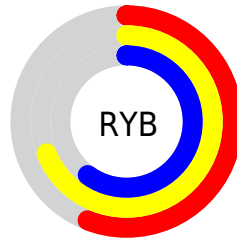
# Distribution



Red (65%)

Green (69%)

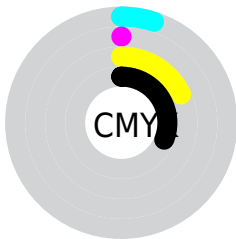
Blue (56%)



Red (56%)

Yellow (69%)

Blue (60%)

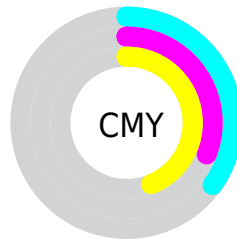


Cyan (5%)

Magenta (0%)

Yellow (18%)

Black (31%)



Cyan (35%)

Magenta (31%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0138, 40.7501, 31.9540 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 36.0138, 40.7501, 31.9540 by changing the saturation by 10% instead.




 36.0138, 40.7501,  
31.9540


 36.0138, 40.7501,  
31.9540


320.4510,  
349.2751, 325.3959

 24.6150, 28.1239,  
21.0618


 68.3771, 76.3044,  
63.8360

 15.9177, 18.4191,  
12.9775


 90.0723, 100.0012,  
85.6630

 9.5564, 11.2513,  
7.2825


115.9304,  
128.1571, 111.9720

 5.1658, 6.2361,  
3.5583

146.3167,  
161.1563, 143.1815

 2.3806, 2.9892,  
1.3863

181.5965,  
199.3834, 179.7101

 0.8355, 1.1261,  
0.1310

222.1353,

 0.0000, 0.0001,

243.2226, 221.9764

0.0000

268.2984,  
293.0583, 270.3988

■ 0.0000, 0.0000,  
0.0000

■ 36.0138, 40.7501,  
31.9540

■ 36.0138, 40.7501,  
31.9540

■ 33.7781, 39.7402,  
25.4606

■ 38.4981, 41.8667,  
39.5404

■ 31.7777, 38.8276,  
20.0071

■ 41.2370, 43.0884,  
48.2641

■ 30.0029, 38.0097,  
15.5401

■ 44.2405, 44.4206,  
58.1706

■ 28.4421, 37.2818,  
12.0003

■ 47.5170, 45.8667,  
69.3016

■ 27.0823, 36.6386,  
9.3221

■ 51.0745, 47.4300,  
81.6972

■ 25.9089, 36.0744,  
7.4311

■ 54.9205, 49.1135,  
95.3954

■ 24.9050, 35.5822,  
6.2407

■ 57.3246, 50.2251,  
101.2808

■ 24.0421, 35.1505,  
5.6037

■ 58.6649, 50.9160,  
101.3435

■ 23.9011, 35.0797,  
5.5113

■ 60.0480, 51.6290,  
101.4083

# Harmonies

## Analogous

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



38.7293, 40.7501, 30.2665



36.0138, 40.7501, 31.9540



34.1091, 40.7501, 36.8753

# Triad

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



36.0138, 40.7501, 31.9540



36.0178, 40.7501, 59.6544



44.5664, 40.7501, 44.3629

# Complementary

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



36.0138, 40.7501, 31.9540



30.5108, 29.4165, 44.6295

# 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.



43.7542, 40.7501, 52.8170



36.0138, 40.7501, 31.9540



38.7342, 40.7501, 62.2885

# Square

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



36.0138, 40.7501, 31.9540



34.1114, 40.7501, 52.8306



41.5831, 40.7501, 59.6458



43.7516, 40.7501, 36.8645



# Rectangle

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



36.0138, 40.7501, 31.9540



33.5062, 40.7501, 41.6666



41.5831, 40.7501, 59.6458



44.4741, 40.7501, 47.1877

# Sweetspot

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



36.0149, 40.7519, 31.9549



70.4641, 75.6567, 75.5860



33.7912, 33.4036, 30.6537



15.5879, 16.7827, 16.5675



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.



36.0149, 40.7519, 31.9549



62.8059, 72.2177, 52.2351



32.9529, 39.1734, 31.8116



8.4397, 9.2153, 8.5473



17.1777, 25.1525, 3.9496



0.5276, 0.7254, 0.1122



# Inverse Universe

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



30.5108, 29.4165, 44.6295



51.0874, 48.0810, 79.2248



33.6110, 31.0148, 44.7746



7.7826, 7.8622, 10.0601



6.5096, 2.7157, 29.2256

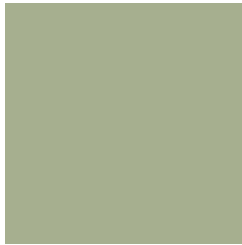


0.2350, 0.1033, 0.8155



# Previews

## White Background



This preview shows how the XYZ color 36.0138, 40.7501, 31.9540 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 36.0138, 40.7501, 31.9540 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

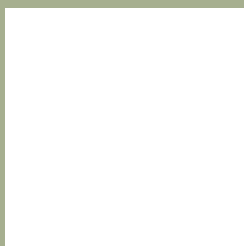
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.0138, 40.7501, 31.9540**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0138, 40.7501, 31.9540.



This preview shows how white text looks on a background with the XYZ color 36.0138, 40.7501,



# 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

36.0138, 40.7501, 31.9540

### Protanopia

38.4267, 40.8727, 31.0632

### Deuteranopia

41.4123, 40.4656, 32.4160



## Tritanopia

39.7485, 40.5655, 50.5347

# Trichromacy



## Original Color

36.0138, 40.7501, 31.9540

## Protanomaly

37.5395, 40.6881, 31.4662

## Deuteranomaly

39.2864, 40.4580, 32.1241

## Tritanomaly

38.2084, 40.4990, 42.8491

# Monochromacy



## Original Color

36.0138, 40.7501, 31.9540

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

37.0565, 39.9887, 39.0232

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0138, 40.7501, 31.9540 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(166, 175, 143)` looks like.

```
.text, #text, p{  
    color:rgb(166, 175, 143)  
}
```

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(166, 175, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 175, 143) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0138, 40.7501, 31.9540 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(166, 175, 143) }
```



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

```
.border{ border-color:rgb(166, 175, 143) }
```

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

Here you see how a box with a 4 pixel rgb(166, 175, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 175, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 175, 143);  
box-shadow:4px 4px 4px 4px rgb(166, 175,  
143) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0138, 40.7501, 31.9540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 175, 143) }
```

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

```
.background{ background-color: rgb(166,  
175, 143) }
```

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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