

# Converting Colors

XYZ(37.4940, 42.8193, 35.1180)

Have a look what the booklet for  
XYZ(37.4940, 42.8193, 35.1180)  
contains.

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# Color

**XYZ(37.5522, 42.9515,  
35.1654)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A6B496
RGB	166, 180, 150
RGB Percent	65%, 71%, 59%
CMY	0.3490, 0.2941, 0.4118
CMYK	0.08, 0.00, 0.17, 0.29
HSL	88°, 17%, 65%
HSV	88°, 17%, 71%
XYZ	37.5522, 42.9515, 35.1654
YIQ	172.3940, 1.2860, -12.2980

# Conversions

## Conversions Part 2

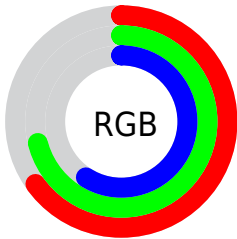
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 180, 164
Decimal	10925206
CIELab	71.52, -10.36, 13.68
CIELCh	72, 17.161, 127.136
Yxy	42.9515, 0.3247, 0.3713
Android (android.graphics.Color)	4289115286 (0xFFA6B496)
YUV	172.3940, -11.0402, -5.6075
Hunter-Lab	65.5374, -12.4119, 14.0629

# Details

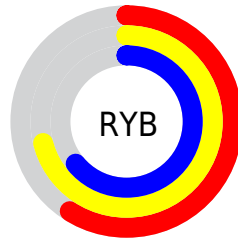
The XYZ color **37.5522, 42.9515, 35.1654** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.4560, 33.0016, 47.7362**, and the grayscale version is **39.4671, 41.5225, 45.2180**.

A 20% lighter version of the original color is **70.7133, 79.7227, 68.7878**, and **16.7809, 19.6570, 14.7141** is the 20% darker color. If you saturate the color by 10%, you get **34.5090, 41.5388, 28.0291**, and if you desaturate by 10%, it is **40.9355, 44.5164, 43.4817**.

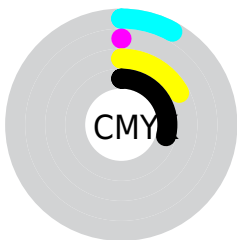
# Distribution



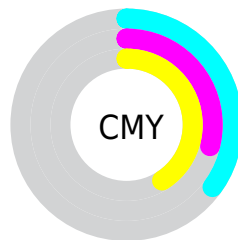
- Red (65%)
- Green (71%)
- Blue (59%)



- Red (59%)
- Yellow (71%)
- Blue (64%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (29%)



- Cyan (35%)
- Magenta (29%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5522, 42.9515, 35.1654 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 37.5522, 42.9515, 35.1654 by changing the saturation by 10% instead.



■ 37.5522, 42.9515,  
35.1654

■ 37.5522, 42.9515,  
35.1654

327.0093,  
358.4123, 340.2242

■ 25.8110, 29.8471,  
23.5057

■ 70.7296, 79.6377,  
68.8964

■ 16.8142, 19.7225,  
14.7586

■ 92.8964, 103.9882,  
91.8048

■ 10.1966, 12.1935,  
8.5054

119.2692,  
132.8562, 119.2999

■ 5.5928, 6.8756,  
4.3276

150.2133,  
166.6261, 151.8002

■ 2.6374, 3.3844,  
1.8067

186.0939,  
205.6822, 189.7242

■ 0.9650, 1.3356,  
0.4324

227.2766,

■ 0.0000, 0.1685,

250.4090, 233.4905

0.0000

274.1266,  
301.1909, 283.5177

0.0000, 0.0000,  
0.0000

37.5522, 42.9515,  
35.1654

37.5522, 42.9515,  
35.1654

34.5090, 41.5388,  
28.0291

40.9355, 44.5164,  
43.4817

31.7901, 40.2674,  
22.0166

44.6670, 46.2327,  
53.0252

29.3835, 39.1337,  
17.0713

48.7590, 48.1069,  
63.8441

27.2750, 38.1318,  
13.1303

53.2217, 50.1435,  
75.9830

25.4491, 37.2551,  
10.1245

58.0654, 52.3467,  
89.4844

■ 23.8885, 36.4966,  
7.9759

■ 62.8120, 54.5255,  
101.8217

■ 22.5735, 35.8479,  
6.5937

■ 65.3643, 55.8413,  
101.9411

■ 21.4777, 35.2982,  
5.8535

■ 68.0454, 57.2235,  
102.0666

■ 21.1450, 35.1305,  
5.6664

■ 70.8573, 58.6730,  
102.1982

# Harmonies

## Analogous

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



40.1359, 42.9515, 32.6542



37.5522, 42.9515, 35.1654



35.9028, 42.9515, 40.8374

# Triad

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



37.5522, 42.9515, 35.1654



38.6975, 42.9515, 63.0633



46.6055, 42.9515, 44.8126

# Complementary

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



37.5522, 42.9515, 35.1654



34.4560, 33.0016, 47.7362

# 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.



46.1758, 42.9515, 53.2442



37.5522, 42.9515, 35.1654



41.5202, 42.9515, 64.4526

# Square

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



37.5522, 42.9515, 35.1654



36.5418, 42.9515, 57.0760



44.2808, 42.9515, 60.6748



45.4285, 42.9515, 37.7805



# Rectangle

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



37.5522, 42.9515, 35.1654



35.5088, 42.9515, 45.9743



44.2808, 42.9515, 60.6748



46.6450, 42.9515, 47.5685

# Sweetspot

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



37.5533, 42.9534, 35.1663



75.2488, 81.1872, 81.4248



37.6044, 38.4577, 34.2959



16.1665, 17.5025, 17.3530



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.



37.5533, 42.9534, 35.1663



65.9905, 76.9064, 58.7626



34.5900, 41.4257, 35.0276



8.8072, 9.7057, 9.0617



14.8354, 24.5580, 3.9583



0.5334, 0.8070, 0.1277



# Inverse Universe

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



34.4560, 33.0016, 47.7362



59.3112, 55.4448, 85.8705



37.7366, 34.6928, 47.8897



8.4064, 8.4180, 10.6881



8.3784, 3.6550, 30.4009

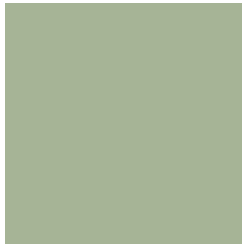


0.3312, 0.1498, 0.9597



# Previews

## White Background



This preview shows how the XYZ color 37.5522, 42.9515, 35.1654 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 37.5522, 42.9515, 35.1654 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

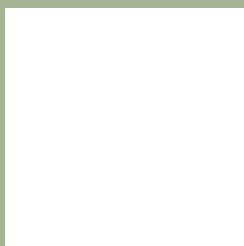
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.5522, 42.9515, 35.1654**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.5522, 42.9515, 35.1654.



This preview shows how white text looks on a background with the XYZ color 37.5522, 42.9515,

35.1654.

# 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

37.5522, 42.9515, 35.1654

### Protanopia

40.3636, 42.9569, 33.7679

### Deuteranopia

43.4895, 42.5516, 35.6269



## Tritanopia

41.4203, 43.0614, 53.7056

# Trichromacy



## Original Color

37.5522, 42.9515, 35.1654

## Protanomaly

39.1989, 42.9295, 34.2372

## Deuteranomaly

41.0775, 42.4308, 35.3031

## Tritanomaly

39.9397, 43.0463, 46.2481

# Monochromacy



## Original Color

37.5522, 42.9515, 35.1654

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

38.6084, 41.8863, 41.1719

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.5522, 42.9515, 35.1654 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, 180, 150)` looks like.

```
.text, #text, p{  
    color:rgb(166, 180, 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(166, 180, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 180, 150) }
```

## Border

The CSS property to change the border of an element to XYZ 37.5522, 42.9515, 35.1654 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, 180, 150) }
```



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

```
.border{ border-color:rgb(166, 180, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 180, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 180, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 180, 150);  
box-shadow:4px 4px 4px 4px rgb(166, 180,  
150) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.5522, 42.9515, 35.1654 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 180, 150) }
```

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

```
.background{ background-color: rgb(166,  
180, 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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