

# Converting Colors

XYZ(35.0192, 42.0543, 25.7828)

Have a look what the booklet for  
XYZ(35.0192, 42.0543, 25.7828)  
contains.

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# Color

**XYZ(35.1258, 42.2098,  
25.6980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2B57D
RGB	162, 181, 125
RGB Percent	64%, 71%, 49%
CMY	0.3647, 0.2902, 0.5098
CMYK	0.10, 0.00, 0.31, 0.29
HSL	80°, 27%, 60%
HSV	80°, 31%, 71%
XYZ	35.1258, 42.2098, 25.6980
YIQ	168.9350, 6.6520, -21.4440

# Conversions

## Conversions Part 2

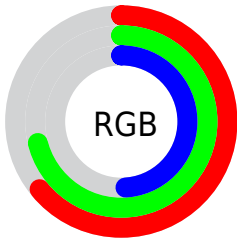
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 181, 144
Decimal	10663293
CIELab	71.02, -16.25, 26.43
CIELCh	71, 31.028, 121.593
Yxy	42.2098, 0.3409, 0.4097
Android (android.graphics.Color)	4288853373 (0xFFA2B57D)
YUV	168.9350, -21.6600, -6.0820
Hunter-Lab	64.9691, -17.1891, 22.0267

# Details

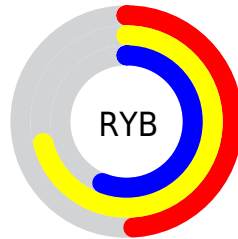
The XYZ color **35.1258, 42.2098, 25.6980** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.1774, 23.9339, 46.9057**, and the grayscale version is **37.7823, 39.7499, 43.2876**.

A 20% lighter version of the original color is **66.9353, 78.5344, 53.7503**, and **15.4196, 19.2613, 9.5617** is the 20% darker color. If you saturate the color by 10%, you get **32.8562, 41.1628, 20.0962**, and if you desaturate by 10%, it is **37.6692, 43.3763, 32.4143**.

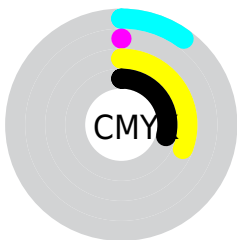
# Distribution



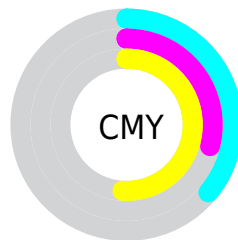
- Red (64%)
- Green (71%)
- Blue (49%)



- Red (49%)
- Yellow (71%)
- Blue (56%)



- Cyan (10%)
- Magenta (0%)
- Yellow (31%)
- Black (29%)



- Cyan (36%)
- Magenta (29%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 35.1258, 42.2098, 25.6980 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 35.1258, 42.2098, 25.6980 by changing the saturation by 10% instead.





 35.1258, 42.2098,  
25.6980


 35.1258, 42.2098,  
25.6980


316.6216,  
355.3519, 294.8546

 23.9268, 29.2656,  
16.3741


 67.0133, 78.5171,  
53.7654

 15.4037, 19.2818,  
9.6321

 88.4326, 102.6489,  
73.3461

 9.1914, 11.8741,  
5.0533

 113.9892,  
131.2787, 97.1827

 4.9243, 6.6580,  
2.2193

144.0487,  
164.7910, 125.6938

 2.2372, 3.2492,  
0.6855

178.9763,  
203.5700, 159.2981

 0.7623, 1.2632,  
0.0000

219.1374,

 0.0000, 0.1124,

248.0003, 198.4139

0.0000

264.8974,  
298.4661, 243.4599

■ 0.0000, 0.0000,  
0.0000

■ 35.1258, 42.2098,  
25.6980

■ 35.1258, 42.2098,  
25.6980

■ 32.8562, 41.1628,  
20.0962

■ 37.6692, 43.3763,  
32.4143

■ 30.8450, 40.2245,  
15.5458

■ 40.4948, 44.6613,  
40.2982

■ 29.0797, 39.3916,  
11.9816


■ 43.6141, 46.0711,  
49.4026


■ 27.5455, 38.6578,  
9.3300


■ 47.0375, 47.6099,  
59.7766

■ 26.2256, 38.0163,  
7.5071


■ 50.7743, 49.2814,  
71.4662


 25.1001, 37.4592,  
6.4134

 54.8338, 51.0895,  
84.5155

 24.2125, 37.0127,  
5.8680

 59.2245, 53.0377,  
98.9663

 61.4785, 54.1389,  
101.8173

 63.2737, 55.0644,  
101.9013

# Harmonies

## Analogous

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



39.8429, 42.2098, 22.9419



35.1258, 42.2098, 25.6980



31.9832, 42.2098, 33.6848

# Triad

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



35.1258, 42.2098, 25.6980



35.5665, 42.2098, 75.8803



50.9177, 42.2098, 45.1710

# Complementary

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



35.1258, 42.2098, 25.6980



27.1774, 23.9339, 46.9057

# 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.



49.5297, 42.2098, 60.9031



35.1258, 42.2098, 25.6980



40.3966, 42.2098, 80.7622

# Square

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



35.1258, 42.2098, 25.6980



32.2218, 42.2098, 62.5750



45.5646, 42.2098, 74.7781



49.2117, 42.2098, 32.5808



# Rectangle

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



35.1258, 42.2098, 25.6980



31.0536, 42.2098, 41.9152



45.5646, 42.2098, 74.7781



50.7969, 42.2098, 50.2555

# Sweetspot

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



35.1269, 42.2117, 25.6989



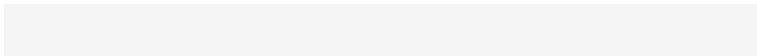
73.4819, 80.4184, 74.9241



32.6821, 31.1515, 23.6929



15.7152, 17.3057, 15.7147



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.



35.1269, 42.2117, 25.6989



60.1398, 74.3192, 39.1086



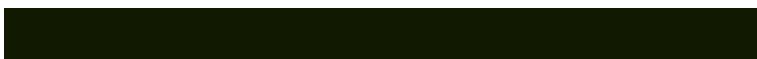
30.1116, 39.6262, 25.4642



8.9114, 9.7594, 9.0666



16.7670, 25.5538, 4.0487



0.5869, 0.8346, 0.1302



# Inverse Universe

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



27.1774, 23.9339, 46.9057



43.6853, 36.4685, 83.0313



32.6158, 26.7375, 47.1603



8.3048, 8.3656, 10.6833



7.1618, 3.0279, 30.3440



0.2892, 0.1282, 0.9577



# Previews

## White Background



This preview shows how the XYZ color 35.1258, 42.2098, 25.6980 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

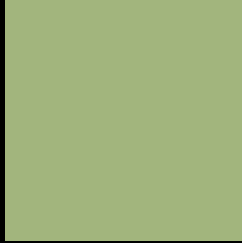
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 35.1258, 42.2098, 25.6980 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 35.1258, 42.2098, 25.6980**

## **Background**



This preview shows how black text looks on a background with the XYZ color 35.1258, 42.2098, 25.6980.



This preview shows how white text looks on a background with the XYZ color 35.1258, 42.2098,

25.6980.

# 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

35.1258, 42.2098, 25.6980

### Protanopia

38.9499, 41.8571, 24.4387

### Deuteranopia

42.7093, 41.8101, 26.2412



## Tritanopia

40.7078, 42.1329, 53.0006

# Trichromacy



## Original Color

35.1258, 42.2098, 25.6980

## Protanomaly

37.4606, 41.9457, 24.8608

## Deuteranomaly

39.3799, 41.4769, 26.0090

## Tritanomaly

38.3746, 42.0558, 41.2170

# Monochromacy



## Original Color

35.1258, 42.2098, 25.6980

## Achromatopsia

37.7116, 39.6755, 43.2066

## Achromatomaly

36.4192, 40.2940, 35.9950

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 35.1258, 42.2098, 25.6980 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(162, 181, 125)` looks like.

```
.text, #text, p{  
    color:rgb(162, 181, 125)  
}
```

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(162, 181, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 181, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 35.1258, 42.2098, 25.6980 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(162, 181, 125) }
```



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

```
.border{ border-color:rgb(162, 181, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 181, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 181, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 181, 125);  
box-shadow:4px 4px 4px 4px rgb(162, 181,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 35.1258, 42.2098, 25.6980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 181, 125) }
```

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

```
.background{ background-color: rgb(162,  
181, 125) }
```

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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