

Converting Colors

XYZ(33.8050, 38.2529, 26.8722)

Have a look what the booklet for
XYZ(33.8050, 38.2529, 26.8722)
contains.

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Color

**XYZ(33.7138, 38.2537,
26.7259)**

Conversions

Conversions Part 1

Format	Color
Hex	A4AA82
RGB	164, 170, 130
RGB Percent	64%, 67%, 51%
CMY	0.3569, 0.3333, 0.4902
CMYK	0.04, 0.00, 0.24, 0.33
HSL	69°, 19%, 59%
HSV	69°, 24%, 67%
XYZ	33.7138, 38.2537, 26.7259
YIQ	163.6460, 9.2640, -13.7120

Conversions

Conversions Part 2

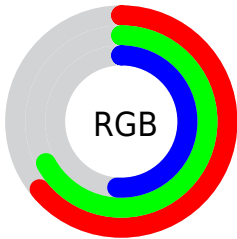
Format	Color
RYB	130, 170, 136
Decimal	10791554
CIELab	68.21, -9.02, 19.96
CIElCh	68, 21.906, 114.328
Yxy	38.2537, 0.3416, 0.3876
Android (android.graphics.Color)	4288981634 (0xFFA4AA82)
YUV	163.6460, -16.5875, 0.3105
Hunter-Lab	61.8496, -10.9376, 17.6748

Details

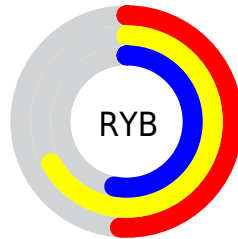
The XYZ color **33.7138, 38.2537, 26.7259** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.3933, 24.1029, 41.3464**, and the grayscale version is **35.1924, 37.0252, 40.3204**.

A 20% lighter version of the original color is **64.6859, 72.3294, 55.3514**, and **14.6085, 16.9808, 10.0971** is the 20% darker color. If you saturate the color by 10%, you get **32.1447, 37.5671, 21.1801**, and if you desaturate by 10%, it is **35.4840, 39.0245, 33.2669**.

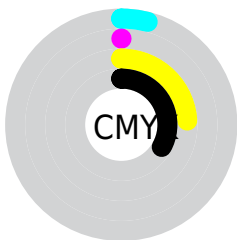
Distribution



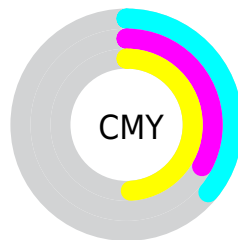
- Red (64%)
- Green (67%)
- Blue (51%)



- Red (51%)
- Yellow (67%)
- Blue (53%)



- Cyan (4%)
- Magenta (0%)
- Yellow (24%)
- Black (33%)



- Cyan (36%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7138, 38.2537, 26.7259 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 33.7138, 38.2537, 26.7259 by changing the saturation by 10% instead.

■ 33.7138, 38.2537,
26.7259

■ 33.7138, 38.2537,
26.7259

310.4624,
338.7070, 300.0456

■ 22.8357, 26.1797,
17.1369

■ 64.8356, 72.4968,
55.4421

■ 14.5922, 16.9581,
10.1691

■ 85.8100, 95.4347,
75.4063

■ 8.6182, 10.2046,
5.4042

■ 110.8805,
122.7626, 99.6660

■ 4.5481, 5.5348,
2.4234

140.4125,
154.8650, 128.6397

■ 2.0166, 2.5644,
0.7992

174.7713,
192.1263, 162.7460

■ 0.6433, 0.9088,
0.0000

214.3224,

■ 0.0000, 0.0000,

234.9307, 202.4034

0.0000

259.4309,
283.6629, 248.0304

■ 33.7138, 38.2537,
26.7259

■ 33.7138, 38.2537,
26.7259

■ 32.1447, 37.5671,
21.1801

■ 35.4840, 39.0245,
33.2669

■ 30.7645, 36.9560,
16.5783

■ 37.4610, 39.8780,
40.8459

■ 29.5640, 36.4180,
12.8684

■ 39.6540, 40.8191,
49.5065

■ 28.5321, 35.9487,
9.9924

■ 42.0707, 41.8510,
59.2888

■ 27.6566, 35.5430,
7.8854

■ 44.7183, 42.9764,
70.2309

■ 26.9230, 35.1954,
6.4729

■ 47.6039, 44.1983,
82.3692

■ 26.3146, 34.8989,
5.6658

■ 50.7341, 45.5193,
95.7385

■ 25.9624, 34.7244,
5.3341

■ 52.2920, 46.2127,
100.7716

■ 52.9107, 46.5316,
100.8005

Harmonies

Analogous

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



37.0135, 38.2537, 25.5662



33.7138, 38.2537, 26.7259



31.2689, 38.2537, 31.5964

Triad

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



33.7138, 38.2537, 26.7259



32.6536, 38.2537, 58.9222



43.3113, 38.2537, 43.5429

Complementary

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



33.7138, 38.2537, 26.7259



25.3933, 24.1029, 41.3464

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.



41.9735, 38.2537, 53.6419



33.7138, 38.2537, 26.7259



35.7123, 38.2537, 63.3713

Square

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



33.7138, 38.2537, 26.7259



30.6842, 38.2537, 49.9117



39.1391, 38.2537, 61.3015



42.6935, 38.2537, 34.3574

Rectangle

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



33.7138, 38.2537, 26.7259



30.3817, 38.2537, 36.7637



39.1391, 38.2537, 61.3015



43.0729, 38.2537, 46.9550

Sweetspot

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



33.7148, 38.2554, 26.7267



66.6308, 71.7754, 68.9391



29.4123, 27.7672, 24.9290



14.8127, 15.9863, 15.1959



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.7148, 38.2554, 26.7267



59.7065, 68.7670, 43.2614



29.9070, 36.2924, 26.5485



8.0346, 8.7159, 8.0481



19.1343, 25.5613, 3.9253



0.4945, 0.6369, 0.0969

Inverse Universe

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



25.3933, 24.1029, 41.3464



42.0633, 38.7559, 74.2655



28.9499, 25.9364, 41.5128



7.2327, 7.3526, 9.4563



5.6727, 2.3078, 28.1220



0.1682, 0.0717, 0.6856

Previews

White Background



This preview shows how the XYZ color 33.7138, 38.2537, 26.7259 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 33.7138, 38.2537, 26.7259 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 33.7138, 38.2537, 26.7259

Background



This preview shows how black text looks on a background with the XYZ color 33.7138, 38.2537, 26.7259.



This preview shows how white text looks on a background with the XYZ color 33.7138, 38.2537,

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

33.7138, 38.2537, 26.7259

Protanopia

35.6640, 38.1781, 25.9115

Deuteranopia

38.9838, 38.2769, 27.1633



Tritanopia

37.7888, 38.2713, 46.9904

Trichromacy



Original Color

33.7138, 38.2537, 26.7259

Protanomaly

34.7944, 37.9931, 26.2684

Deuteranomaly

36.9006, 38.2569, 26.9122

Tritanomaly

36.1298, 38.1353, 38.7143

Monochromacy



Original Color

33.7138, 38.2537, 26.7259

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.6136, 37.4319, 35.1065

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7138, 38.2537, 26.7259 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(164, 170, 130)` looks like.

```
.text, #text, p{  
    color:rgb(164, 170, 130)  
}
```

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(164, 170, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 170, 130) }
```

Border

The CSS property to change the border of an element to XYZ 33.7138, 38.2537, 26.7259 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(164, 170, 130) }
```


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

```
.border{ border-color:rgb(164, 170, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 170, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 170, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 170, 130);  
box-shadow:4px 4px 4px 4px rgb(164, 170,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7138, 38.2537, 26.7259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 170, 130) }
```

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

```
.background{ background-color: rgb(164,  
170, 130) }
```

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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