

Converting Colors

XYZ(33.4579, 37.7302, 23.1282)

Have a look what the booklet for
XYZ(33.4579, 37.7302, 23.1282)
contains.

XYZ(33.2688, 37.5527, 22.9477)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.2688, 37.5527,
22.9477)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A877
RGB	167, 168, 119
RGB Percent	65%, 66%, 47%
CMY	0.3451, 0.3412, 0.5333
CMYK	0.01, 0.00, 0.29, 0.34
HSL	61°, 22%, 56%
HSV	61°, 29%, 66%
XYZ	33.2688, 37.5527, 22.9477
YIQ	162.1150, 15.1330, -15.4510

Conversions

Conversions Part 2

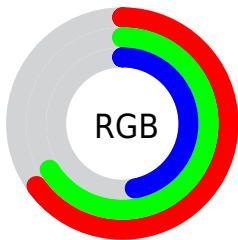
Format	Color
RYB	119, 168, 120
Decimal	10987639
CIELab	67.69, -8.36, 25.27
CIELCh	68, 26.618, 108.300
Yxy	37.5527, 0.3548, 0.4005
Android (android.graphics.Color)	4289177719 (0xFFA7A877)
YUV	162.1150, -21.2557, 4.2841
Hunter-Lab	61.2803, -10.3335, 20.6938

Details

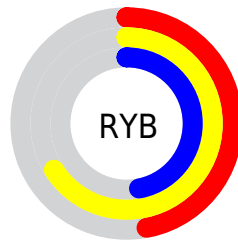
The XYZ color **33.2688, 37.5527, 22.9477** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4118, 20.0148, 39.7827**, and the grayscale version is **34.4889, 36.2850, 39.5144**.

A 20% lighter version of the original color is **64.2655, 71.4419, 49.4322**, and **14.2903, 16.5104, 8.2280** is the 20% darker color. If you saturate the color by 10%, you get **32.2755, 37.1483, 18.0920**, and if you desaturate by 10%, it is **34.4426, 38.0319, 28.7444**.

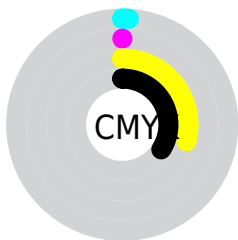
Distribution



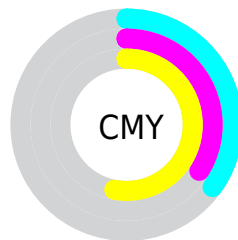
- Red (65%)
- Green (66%)
- Blue (47%)



- Red (47%)
- Yellow (66%)
- Blue (47%)



- Cyan (1%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)



- Cyan (35%)
- Magenta (34%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2688, 37.5527, 22.9477 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 33.2688, 37.5527, 22.9477 by changing the saturation by 10% instead.

■ 33.2688, 37.5527,
22.9477

■ 33.2688, 37.5527,
22.9477

308.5028,
335.6973, 280.5695

■ 22.4927, 25.6357,
14.3500

■ 64.1468, 71.4220,
49.2295

■ 14.3380, 16.5513,
8.2229

■ 84.9795, 94.1432,
67.7507

■ 8.4394, 9.9151,
4.1481

■ 109.8949,
121.2344, 90.4168

■ 4.4315, 5.3427,
1.7070

139.2586,
153.0803, 117.6463

■ 1.9490, 2.4497,
0.3655

173.4359,
190.0651, 149.8578

■ 0.6051, 0.8513,
0.0000

212.7922,

■ 0.0000, 0.0000,

232.5733, 187.4698

0.0000

257.6927,
280.9892, 230.9008

■ 33.2688, 37.5527,
22.9477

■ 33.2688, 37.5527,
22.9477

■ 32.2755, 37.1483,
18.0920

■ 34.4426, 38.0319,
28.7444

■ 31.4505, 36.8099,
14.1254

■ 35.8027, 38.5844,
35.5257

■ 30.7844, 36.5351,
10.9949

■ 37.3583, 39.2151,
43.3350

■ 30.2658, 36.3194,
8.6404

■ 39.1169, 39.9270,
52.2128

■ 29.8820, 36.1576,
6.9942

■ 41.0859, 40.7231,
62.1972

■ 29.6178, 36.0436,
5.9769

■ 43.2721, 41.6061,
73.3244

■ 29.4432, 35.9655,
5.4304

■ 45.6821, 42.5787,
85.6291

■ 29.4296, 35.9594,
5.3897

■ 48.3222, 43.6433,
99.1444

■ 48.6523, 43.7839,
100.4946

Harmonies

Analogous

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



37.3190, 37.5527, 22.4919



33.2688, 37.5527, 22.9477



30.1124, 37.5527, 27.6072

Triad

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



33.2688, 37.5527, 22.9477



30.6904, 37.5527, 60.2177



44.0022, 37.5527, 45.6509

Complementary

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



33.2688, 37.5527, 22.9477



21.4118, 20.0148, 39.7827

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.



41.9230, 37.5527, 57.8642



33.2688, 37.5527, 22.9477



34.1144, 37.5527, 67.2904

Square

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



33.2688, 37.5527, 22.9477



28.7044, 37.5527, 48.4133



38.2316, 37.5527, 66.3548



43.7321, 37.5527, 34.1869

Rectangle

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



33.2688, 37.5527, 22.9477



28.8433, 37.5527, 33.0796



38.2316, 37.5527, 66.3548



43.5488, 37.5527, 49.8387

Sweetspot

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



33.2698, 37.5544, 22.9485



64.9662, 70.0133, 64.4660



26.1739, 23.0466, 20.5222



14.0798, 15.2274, 13.6508



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.2698, 37.5544, 22.9485



59.1653, 67.6525, 35.7461



28.6068, 35.1505, 22.7303



8.1314, 8.7659, 8.0527



22.2283, 27.1563, 4.0701



0.5454, 0.6631, 0.0992

Inverse Universe

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



21.4118, 20.0148, 39.7827



34.1022, 30.5788, 71.3300



25.2228, 21.9795, 39.9610



7.1455, 7.3076, 9.4522



5.3753, 2.1545, 28.1080



0.1351, 0.0546, 0.6841

Previews

White Background



This preview shows how the XYZ color 33.2688, 37.5527, 22.9477 looks on a white background.

Color Contrast Check

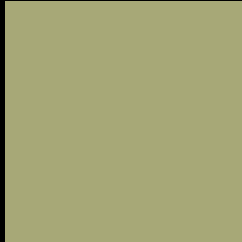
Large Text (above 18pt) WCAG AA × Fail

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 33.2688, 37.5527, 22.9477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

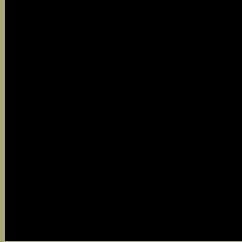
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

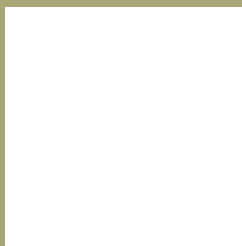
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2688, 37.5527, 22.9477

Background



This preview shows how black text looks on a background with the XYZ color 33.2688, 37.5527, 22.9477.



This preview shows how white text looks on a background with the XYZ color 33.2688, 37.5527,

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

33.2688, 37.5527, 22.9477

Protanopia

35.0852, 37.6833, 22.5639

Deuteranopia

38.1837, 37.4363, 23.3026



Tritanopia

37.8404, 37.5444, 45.2968

Trichromacy



Original Color

33.2688, 37.5527, 22.9477

Protanomaly

34.3618, 37.5791, 22.5820

Deuteranomaly

36.3181, 37.5110, 23.0955

Tritanomaly

35.9028, 37.5419, 35.9259

Monochromacy



Original Color

33.2688, 37.5527, 22.9477

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

33.7736, 36.5188, 32.4629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2688, 37.5527, 22.9477 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(167, 168, 119)` looks like.

```
.text, #text, p{  
    color:rgb(167, 168, 119)  
}
```

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(167, 168, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 168, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.2688, 37.5527, 22.9477 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(167, 168, 119) }
```


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

```
.border{ border-color:rgb(167, 168, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 168, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 168, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 168, 119);  
box-shadow:4px 4px 4px 4px rgb(167, 168,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2688, 37.5527, 22.9477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 168, 119) }
```

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

```
.background{ background-color: rgb(167,  
168, 119) }
```

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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