

Converting Colors

XYZ(37.1878, 42.5884, 33.2299)

Have a look what the booklet for
XYZ(37.1878, 42.5884, 33.2299)
contains.

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Color

**XYZ(37.1673, 42.5000,
33.0325)**

Conversions

Conversions Part 1

Format	Color
Hex	A7B391
RGB	167, 179, 145
RGB Percent	65%, 70%, 57%
CMY	0.3451, 0.2980, 0.4314
CMYK	0.07, 0.00, 0.19, 0.30
HSL	81°, 18%, 64%
HSV	81°, 19%, 70%
XYZ	37.1673, 42.5000, 33.0325
YIQ	171.5360, 3.7620, -13.1180

Conversions

Conversions Part 2

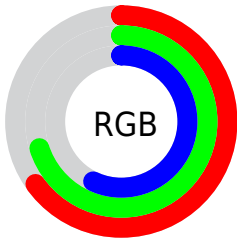
Format	Color
RYB	145, 179, 157
Decimal	10990481
CIELab	71.21, -10.29, 15.98
CIELCh	71, 19.009, 122.779
Yxy	42.5000, 0.3298, 0.3771
Android (android.graphics.Color)	4289180561 (0xFFA7B391)
YUV	171.5360, -13.0822, -3.9781
Hunter-Lab	65.1920, -12.3196, 15.5924

Details

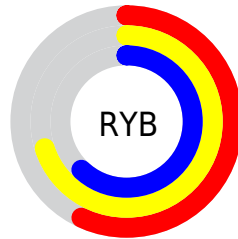
The XYZ color **37.1673, 42.5000, 33.0325** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **32.1684, 30.6748, 46.8754**, and the grayscale version is **39.0419, 41.0751, 44.7308**.

A 20% lighter version of the original color is **70.1413, 79.0698, 65.5980**, and **16.5515, 19.3747, 13.4570** is the 20% darker color. If you saturate the color by 10%, you get **34.5922, 41.3209, 26.2658**, and if you desaturate by 10%, it is **40.0274, 43.8035, 40.9496**.

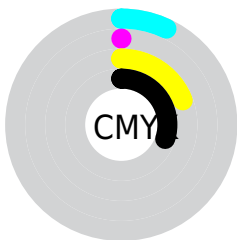
Distribution



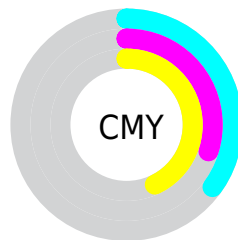
- Red (65%)
- Green (70%)
- Blue (57%)



- Red (57%)
- Yellow (70%)
- Blue (62%)



- Cyan (7%)
- Magenta (0%)
- Yellow (19%)
- Black (30%)





- Cyan (35%)
- Magenta (30%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1673, 42.5000, 33.0325 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 37.1673, 42.5000, 33.0325 by changing the saturation by 10% instead.


 37.1673, 42.5000,
33.0325


 37.1673, 42.5000,
33.0325


325.3772,
356.5515, 330.4327

 25.5113, 29.4930,
21.8800


 70.1422, 78.9558,
65.5429

 16.5892, 19.4541,
13.5713


 92.1918, 103.1734,
87.7378

 10.0355, 11.9988,
7.6878


118.4367,
131.8966, 114.4507

 5.4849, 6.7429,
3.8109

149.2421,
165.5099, 146.1000

 2.5722, 3.3018,
1.5222

184.9736,
204.3977, 183.1043

 0.9318, 1.2913,
0.2344

225.9963,

 0.0000, 0.1344,

248.9442, 225.8822

0.0000

272.6758,
299.5340, 274.8521

■ 0.0000, 0.0000,
0.0000

■ 37.1673, 42.5000,
33.0325

■ 37.1673, 42.5000,
33.0325

■ 34.5922, 41.3209,
26.2658

■ 40.0274, 43.8035,
40.9496

■ 32.2876, 40.2560,
20.5932

■ 43.1796, 45.2300,
50.0643

■ 30.2429, 39.3024,
15.9577

■ 46.6348, 46.7855,
60.4247

■ 28.4449, 38.4547,
12.2964

■ 50.4023, 48.4737,
72.0753

■ 26.8796, 37.7071,
9.5390

■ 54.4910, 50.2984,
85.0585

■ 25.5307, 37.0531,
7.6064

■ 58.9093, 52.2630,
99.4145

■ 24.3796, 36.4851,
6.4052

■ 61.1022, 53.3455,
101.6840

■ 23.3929, 35.9896,
5.7654

■ 62.9511, 54.2986,
101.7705

■ 23.2986, 35.9421,
5.7096

■ 64.8720, 55.2889,
101.8604

Harmonies

Analogous

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



40.0986, 42.5000, 30.8661



37.1673, 42.5000, 33.0325



35.1870, 42.5000, 38.7027

Triad

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



37.1673, 42.5000, 33.0325



37.6562, 42.5000, 63.7018



46.8301, 42.5000, 45.4297

Complementary

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



37.1673, 42.5000, 33.0325



32.1684, 30.6748, 46.8754

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.



46.0930, 42.5000, 54.7764



37.1673, 42.5000, 33.0325



40.6928, 42.5000, 66.1113

Square

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



37.1673, 42.5000, 33.0325



35.4587, 42.5000, 56.4420



43.8043, 42.5000, 62.6547



45.7693, 42.5000, 37.4092

Rectangle

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



37.1673, 42.5000, 33.0325



34.6155, 42.5000, 44.1041



43.8043, 42.5000, 62.6547



46.7844, 42.5000, 48.5166

Sweetspot

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



37.1684, 42.5019, 33.0334



73.2634, 79.1628, 77.8354



35.7428, 35.7096, 31.7975



16.1532, 17.5030, 17.0202



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.



37.1684, 42.5019, 33.0334



64.4761, 75.1605, 53.5867



33.8284, 40.7800, 32.8771



8.9001, 9.7536, 9.0661



16.5356, 25.4345, 4.0378



0.5807, 0.8314, 0.1299

Inverse Universe

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



32.1684, 30.6748, 46.8754



53.7906, 49.8811, 83.1741



35.6969, 32.4938, 47.0406



8.3156, 8.3712, 10.6839



7.2717, 3.0845, 30.3491



0.2936, 0.1305, 0.9579

Previews

White Background



This preview shows how the XYZ color 37.1673, 42.5000, 33.0325 looks on a white background.

Color Contrast Check

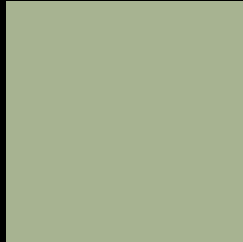
Large Text (above 18pt) WCAG AA × Fail

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 37.1673, 42.5000, 33.0325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

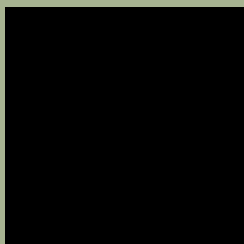
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

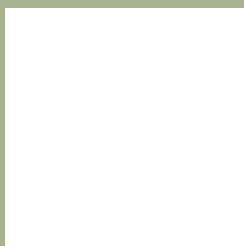
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.1673, 42.5000, 33.0325

Background



This preview shows how black text looks on a background with the XYZ color 37.1673, 42.5000, 33.0325.



This preview shows how white text looks on a background with the XYZ color 37.1673, 42.5000,

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

37.1673, 42.5000, 33.0325

Protanopia

39.7857, 42.4154, 31.6813

Deuteranopia

43.0885, 42.3912, 33.5151



Tritanopia

41.1468, 42.3592, 53.0212

Trichromacy



Original Color

37.1673, 42.5000, 33.0325

Protanomaly

38.8434, 42.4988, 32.1424

Deuteranomaly

40.6799, 42.2717, 33.2093

Tritanomaly

39.5710, 42.2964, 45.1081

Monochromacy



Original Color

37.1673, 42.5000, 33.0325

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4291, 41.8146, 40.2280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1673, 42.5000, 33.0325 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, 179, 145)` looks like.

```
.text, #text, p{  
    color:rgb(167, 179, 145)  
}
```

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, 179, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 179, 145) }
```

Border

The CSS property to change the border of an element to XYZ 37.1673, 42.5000, 33.0325 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, 179, 145) }
```


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

```
.border{ border-color:rgb(167, 179, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 179, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 179, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 179, 145);  
box-shadow:4px 4px 4px 4px rgb(167, 179,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 37.1673, 42.5000, 33.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 179, 145) }
```

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

```
.background{ background-color: rgb(167,  
179, 145) }
```

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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