

Converting Colors

XYZ(33.7074, 42.1828, 21.4044)

Have a look what the booklet for
XYZ(33.7074, 42.1828, 21.4044)
contains.

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Color

**XYZ(33.7074, 42.1828,
21.4044)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB76F
RGB	157, 183, 111
RGB Percent	62%, 72%, 44%
CMY	0.3843, 0.2823, 0.5647
CMYK	0.14, 0.00, 0.39, 0.28
HSL	82°, 33%, 58%
HSV	82°, 39%, 72%
XYZ	33.7074, 42.1828, 21.4044
YIQ	167.0180, 7.6160, -27.9040

Conversions

Conversions Part 2

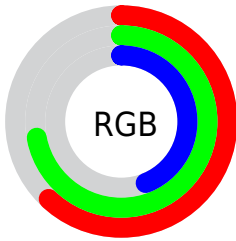
Format	Color
RYB	111, 183, 137
Decimal	10336111
CIELab	71.00, -21.07, 33.70
CIELCh	71, 39.749, 122.013
Yxy	42.1828, 0.3464, 0.4336
Android (android.graphics.Color)	4288526191 (0xFF9DB76F)
YUV	167.0180, -27.6169, -8.7858
Hunter-Lab	64.9483, -21.0201, 25.9241

Details

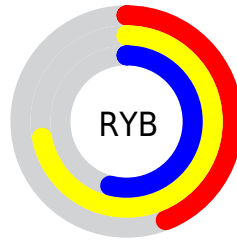
The XYZ color **33.7074, 42.1828, 21.4044** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **24.5498, 20.1072, 47.3893**, and the grayscale version is **36.8680, 38.7881, 42.2402**.

A 20% lighter version of the original color is **64.7187, 78.4104, 46.8456**, and **14.5611, 19.2561, 7.5068** is the 20% darker color. If you saturate the color by 10%, you get **31.5468, 41.1750, 16.5716**, and if you desaturate by 10%, it is **36.1464, 43.3129, 27.3295**.

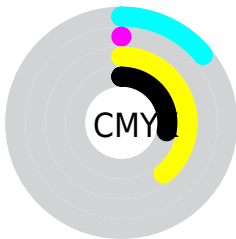
Distribution



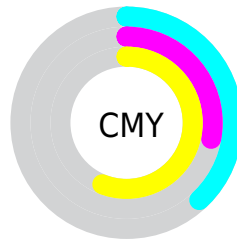
- Red (62%)
- Green (72%)
- Blue (44%)



- Red (44%)
- Yellow (72%)
- Blue (54%)



- Cyan (14%)
- Magenta (0%)
- Yellow (39%)
- Black (28%)



- Cyan (38%)
- Magenta (28%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7074, 42.1828, 21.4044 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 33.7074, 42.1828, 21.4044 by changing the saturation by 10% instead.

■ 33.7074, 42.1828,
21.4044

■ 33.7074, 42.1828,
21.4044

310.4343,
355.2402, 272.2712

■ 22.8307, 29.2445,
13.2258

■ 64.8257, 78.4762,
46.6491

■ 14.5886, 19.2658,
7.4517

■ 85.7981, 102.6001,
64.5523

■ 8.6156, 11.8625,
3.6634

■ 110.8664,
131.2212, 86.5341

■ 4.5464, 6.6501,
1.4426

■ 140.3959,
164.7240, 113.0130

■ 2.0157, 3.2443,
0.1746

174.7522,
203.4930, 144.4077

■ 0.6427, 1.2606,
0.0000

214.3004,

■ 0.0000, 0.1103,

247.9124, 181.1366

0.0000

259.4060,
298.3666, 223.6182

■ 0.0000, 0.0000,
0.0000

■ 33.7074, 42.1828,
21.4044

■ 33.7074, 42.1828,
21.4044

■ 31.5468, 41.1750,
16.5716

■ 36.1464, 43.3129,
27.3295

■ 29.6475, 40.2783,
12.7615

■ 38.8732, 44.5648,
34.4054

■ 27.9955, 39.4883,
9.9008


■ 41.9008, 45.9454,
42.6898


■ 26.5736, 38.7979,
7.9050


■ 45.2402, 47.4590,
52.2355


■ 25.3618, 38.1992,
6.6752


■ 48.9018, 49.1101,
63.0924

 24.3235, 37.6772,
6.0249

 52.8955, 50.9028,
75.3075

 24.2587, 37.6446,
5.9876

 57.2308, 52.8408,
88.9256

 61.5270, 54.7720,
101.9370

 63.4465, 55.7615,
102.0268

Harmonies

Analogous

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



39.6473, 42.1828, 18.2494



33.7074, 42.1828, 21.4044



29.8558, 42.1828, 30.8373

Triad

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



33.7074, 42.1828, 21.4044



34.4031, 42.1828, 86.3079



54.2328, 42.1828, 44.6593

Complementary

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



33.7074, 42.1828, 21.4044



24.5498, 20.1072, 47.3893

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.



52.4389, 42.1828, 65.2843



33.7074, 42.1828, 21.4044



40.5430, 42.1828, 92.9391

Square

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



33.7074, 42.1828, 21.4044



30.2252, 42.1828, 68.1330



47.2391, 42.1828, 84.3696



51.9051, 42.1828, 29.1652

Rectangle

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



33.7074, 42.1828, 21.4044



28.7464, 42.1828, 41.0408



47.2391, 42.1828, 84.3696



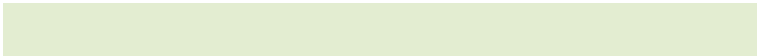
54.0913, 42.1828, 51.1927

Sweetspot

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



33.7085, 42.1847, 21.4053



73.4364, 81.5536, 71.9928



31.2316, 28.8810, 18.9680



16.0624, 17.9409, 15.4670



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.7085, 42.1847, 21.4053



57.0722, 74.0099, 30.9111



27.8018, 39.1397, 21.1289



9.4271, 10.3368, 9.6052



16.9995, 26.2999, 4.1804



0.6644, 0.9607, 0.1504

Inverse Universe

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



24.5498, 20.1072, 47.3893



38.4433, 29.0665, 83.8199



31.2904, 23.5821, 47.7048



8.8191, 8.8731, 11.3273



7.6035, 3.2310, 31.4760



0.3370, 0.1495, 1.1128

Previews

White Background



This preview shows how the XYZ color 33.7074, 42.1828, 21.4044 looks on a white background.

Color Contrast Check

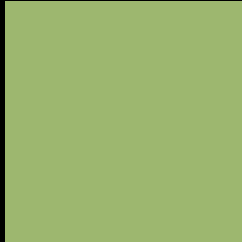
Large Text (above 18pt) WCAG AA × Fail

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 33.7074, 42.1828, 21.4044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

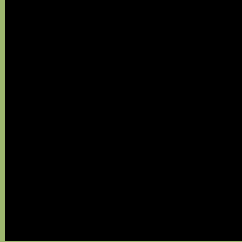
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7074, 42.1828, 21.4044

Background



This preview shows how black text looks on a background with the XYZ color 33.7074, 42.1828, 21.4044.



This preview shows how white text looks on a background with the XYZ color 33.7074, 42.1828,

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

33.7074, 42.1828, 21.4044

Protanopia

38.5837, 41.7675, 19.9383

Deuteranopia

42.7432, 41.9201, 22.0582



Tritanopia

40.1495, 42.1184, 53.5905

Trichromacy



Original Color

33.7074, 42.1828, 21.4044

Protanomaly

36.5604, 41.8741, 20.3429

Deuteranomaly

38.7761, 41.5388, 21.8937

Tritanomaly

37.1716, 41.7689, 39.3608

Monochromacy



Original Color

33.7074, 42.1828, 21.4044

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.3143, 39.7803, 33.4209

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7074, 42.1828, 21.4044 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(157, 183, 111)` looks like.

```
.text, #text, p{  
    color:rgb(157, 183, 111)  
}
```

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(157, 183, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 183, 111) }
```

Border

The CSS property to change the border of an element to XYZ 33.7074, 42.1828, 21.4044 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(157, 183, 111) }
```


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

```
.border{ border-color:rgb(157, 183, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 183, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 183, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 183, 111);  
box-shadow:4px 4px 4px 4px rgb(157, 183,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7074, 42.1828, 21.4044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 183, 111) }
```

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

```
.background{ background-color: rgb(157,  
183, 111) }
```

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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