

Converting Colors

XYZ(33.2054, 42.5922, 23.8277)

Have a look what the booklet for
XYZ(33.2054, 42.5922, 23.8277)
contains.

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Color

**XYZ(33.0732, 42.4194,
23.8974)**

Conversions

Conversions Part 1

Format	Color
Hex	95B977
RGB	149, 185, 119
RGB Percent	58%, 73%, 47%
CMY	0.4157, 0.2745, 0.5333
CMYK	0.19, 0.00, 0.36, 0.27
HSL	93°, 32%, 60%
HSV	93°, 36%, 73%
XYZ	33.0732, 42.4194, 23.8974
YIQ	166.7120, -0.2700, -28.1580

Conversions

Conversions Part 2

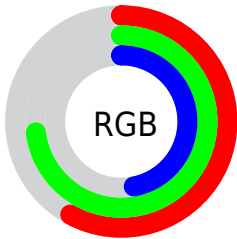
Format	Color
RYB	119, 185, 155
Decimal	9812343
CIELab	71.16, -24.00, 29.63
CIELCh	71, 38.136, 129.009
Yxy	42.4194, 0.3328, 0.4268
Android (android.graphics.Color)	4288002423 (0xFF95B977)
YUV	166.7120, -23.5220, -15.5334
Hunter-Lab	65.1302, -23.3352, 23.8366

Details

The XYZ color **33.0732, 42.4194, 23.8974** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8731, 23.6662, 48.9475**, and the grayscale version is **36.7023, 38.6137, 42.0503**.

A 20% lighter version of the original color is **63.8035, 78.7265, 50.8627**, and **14.2552, 19.4736, 8.6377** is the 20% darker color. If you saturate the color by 10%, you get **30.3067, 41.1106, 18.5221**, and if you desaturate by 10%, it is **36.2177, 43.9006, 30.4211**.

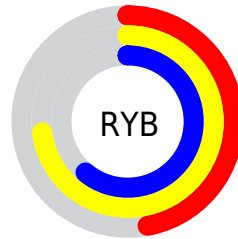
Distribution



Red (58%)

Green (73%)

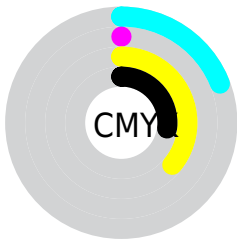
Blue (47%)



Red (47%)

Yellow (73%)

Blue (61%)

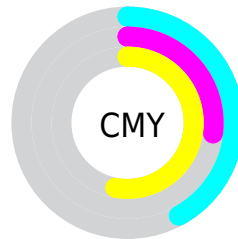


Cyan (19%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (42%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0732, 42.4194, 23.8974 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 33.0732, 42.4194, 23.8974 by changing the saturation by 10% instead.

■ 33.0732, 42.4194,
23.8974

■ 33.0732, 42.4194,
23.8974

307.6386,
356.2186, 285.5712

■ 22.3420, 29.4298,
15.0460

■ 63.8437, 78.8340,
50.8045

■ 14.2264, 19.4062,
8.7047

■ 84.6138, 103.0278,
69.6972

■ 8.3611, 11.9642,
4.4549

■ 109.4608,
131.7251, 92.7742

■ 4.3806, 6.7193,
1.8781

138.7502,
165.3104, 120.4539

■ 1.9196, 3.2872,
0.4787

172.8474,
204.1679, 153.1549

■ 0.5882, 1.2834,
0.0000

212.1176,

■ 0.0000, 0.1283,

248.6822, 191.2958

0.0000

256.9262,
299.2377, 235.2950

■ 0.0000, 0.0000,
0.0000

■ 33.0732, 42.4194,
23.8974

■ 33.0732, 42.4194,
23.8974

■ 30.3067, 41.1106,
18.5221

■ 36.2177, 43.9006,
30.4211

■ 27.8984, 39.9617,
14.2259

■ 39.7526, 45.5555,
38.1517

■ 25.8312, 38.9667,
10.9362


■ 43.6933, 47.3920,
47.1468


■ 24.0852, 38.1171,
8.5706


■ 48.0535, 49.4160,
57.4598


■ 22.6376, 37.4034,
7.0333


■ 52.8464, 51.6332,
69.1408


 21.4609, 36.8139,
6.2044

 58.0842, 54.0490,
82.2374

 21.0137, 36.5885,
5.9547

 63.7789, 56.6684,
96.7948

 67.9480, 58.6988,
102.3565

 71.2762, 60.4146,
102.5123

Harmonies

Analogous

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



38.4261, 42.4194, 19.4350



33.0732, 42.4194, 23.8974



29.9070, 42.4194, 34.7014

Triad

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



33.0732, 42.4194, 23.8974



36.0780, 42.4194, 87.4111



53.7016, 42.4194, 40.8971

Complementary

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



33.0732, 42.4194, 23.8974



28.8731, 23.6662, 48.9475

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.



52.9026, 42.4194, 59.9639



33.0732, 42.4194, 23.8974



42.2717, 42.4194, 90.3502

Square

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



33.0732, 42.4194, 23.8974



31.5103, 42.4194, 72.0451



48.5512, 42.4194, 79.2542



50.6315, 42.4194, 27.4011

Rectangle

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



33.0732, 42.4194, 23.8974



29.2458, 42.4194, 45.5820



48.5512, 42.4194, 79.2542



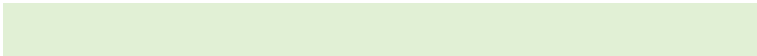
53.8830, 42.4194, 46.7984

Sweetspot

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



33.0743, 42.4212, 23.8983



74.2747, 83.0233, 75.2830



34.9276, 34.8251, 22.3344



15.8107, 17.8042, 15.7718



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.



33.0743, 42.4212, 23.8983



55.2024, 74.0649, 34.9141



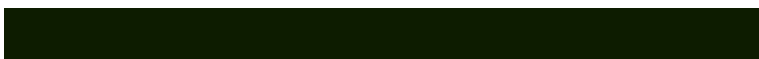
28.4215, 40.0072, 24.3784



9.2677, 10.2546, 9.5978



14.3896, 24.9544, 4.0583



0.5787, 0.9166, 0.1464

Inverse Universe

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



28.8731, 23.6662, 48.9475



46.5316, 35.3776, 86.5807



35.1325, 26.9197, 48.0372



8.9766, 8.9543, 11.3347



9.6955, 4.3094, 31.5739



0.4121, 0.1882, 1.1163

Previews

White Background



This preview shows how the XYZ color 33.0732, 42.4194, 23.8974 looks on a white background.

Color Contrast Check

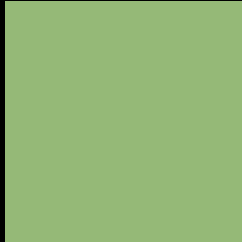
Large Text (above 18pt) WCAG AA × Fail

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 33.0732, 42.4194, 23.8974 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 33.0732, 42.4194, 23.8974

Background



This preview shows how black text looks on a background with the XYZ color 33.0732, 42.4194, 23.8974.



This preview shows how white text looks on a background with the XYZ color 33.0732, 42.4194,

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

33.0732, 42.4194, 23.8974

Protanopia

39.1596, 42.3058, 22.0215

Deuteranopia

42.9435, 41.9679, 24.5761



Tritanopia

39.3168, 42.2420, 54.7965

Trichromacy



Original Color

33.0732, 42.4194, 23.8974

Protanomaly

36.5283, 42.1004, 22.7239

Deuteranomaly

38.7061, 41.7314, 24.4273

Tritanomaly

36.5312, 41.9885, 41.3011

Monochromacy



Original Color

33.0732, 42.4194, 23.8974

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

35.1383, 39.9477, 34.7129

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0732, 42.4194, 23.8974 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(149, 185, 119)` looks like.

```
.text, #text, p{  
    color:rgb(149, 185, 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(149, 185, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 185, 119) }
```

Border

The CSS property to change the border of an element to XYZ 33.0732, 42.4194, 23.8974 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(149, 185, 119) }
```


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

```
.border{ border-color:rgb(149, 185, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 185, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 185, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 185, 119);  
box-shadow:4px 4px 4px 4px rgb(149, 185,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0732, 42.4194, 23.8974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 185, 119) }
```

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

```
.background{ background-color: rgb(149,  
185, 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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