

Converting Colors

XYZ(31.4166, 42.1909, 23.9406)

Have a look what the booklet for
XYZ(31.4166, 42.1909, 23.9406)
contains.

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Color

**XYZ(31.4166, 42.1909,
23.9406)**

Conversions

Conversions Part 1

Format	Color
Hex	89BB77
RGB	137, 187, 119
RGB Percent	54%, 73%, 47%
CMY	0.4627, 0.2667, 0.5333
CMYK	0.27, 0.00, 0.36, 0.27
HSL	104°, 33%, 60%
HSV	104°, 36%, 73%
XYZ	31.4166, 42.1909, 23.9406
YIQ	164.2980, -7.9720, -31.7480

Conversions

Conversions Part 2

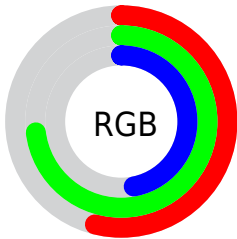
Format	Color
RYB	119, 187, 169
Decimal	9026423
CIELab	71.00, -29.30, 29.29
CIELCh	71, 41.431, 135.010
Yxy	42.1909, 0.3221, 0.4325
Android (android.graphics.Color)	4287216503 (0xFF89BB77)
YUV	164.2980, -22.3319, -23.9403
Hunter-Lab	64.9545, -27.3352, 23.6154

Details

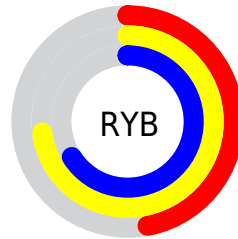
The XYZ color **31.4166, 42.1909, 23.9406** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **31.9305, 25.2178, 50.2006**, and the grayscale version is **35.5353, 37.3859, 40.7133**.

A 20% lighter version of the original color is **61.2352, 78.2862, 50.9130**, and **13.2080, 19.1360, 8.6277** is the 20% darker color. If you saturate the color by 10%, you get **28.2902, 40.6977, 18.4977**, and if you desaturate by 10%, it is **35.0535, 43.9243, 30.5627**.

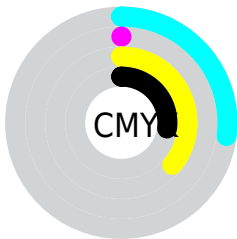
Distribution



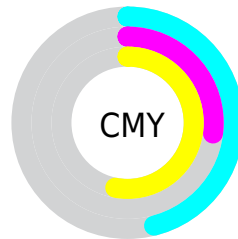
- Red (54%)
- Green (73%)
- Blue (47%)



- Red (47%)
- Yellow (73%)
- Blue (66%)



- Cyan (27%)
- Magenta (0%)
- Yellow (36%)
- Black (27%)



- Cyan (46%)
- Magenta (27%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.4166, 42.1909, 23.9406 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 31.4166, 42.1909, 23.9406 by changing the saturation by 10% instead.


 31.4166, 42.1909,
23.9406


 31.4166, 42.1909,
23.9406


300.2457,
355.2737, 285.7969


 21.0697, 29.2508,
15.0778


 61.2668, 78.4885,
50.8759

 13.2877, 19.2706,
8.7268


 81.5007, 102.6147,
69.7854

 7.7053, 11.8660,
4.4690


 105.7610,
131.2385, 92.8809

 3.9572, 6.6525,
1.8860

134.4131,
164.7441, 120.5809

 1.6779, 3.2457,
0.4838

167.8222,
203.5161, 153.3040

 0.4424, 1.2613,
0.0000

206.3538,

 0.0000, 0.1110,

247.9387, 191.4686

0.0000

250.3732,
298.3965, 235.4934

■ 0.0000, 0.0000,
0.0000

■ 31.4166, 42.1909,
23.9406

■ 31.4166, 42.1909,
23.9406

■ 28.2902, 40.6977,
18.4977

■ 35.0535, 43.9243,
30.5627

■ 25.6472, 39.4284,
14.1620

■ 39.2198, 45.9024,
38.4246

■ 23.4630, 38.3733,
10.8583


■ 43.9374, 48.1365,
47.5861


■ 21.7090, 37.5194,
8.5005


■ 49.2260, 50.6356,
58.1025


■ 20.3532, 36.8525,
6.9888


■ 55.1041, 53.4080,
70.0257


 19.3565, 36.3553,
6.1923

 61.5897, 56.4621,
83.4049

 19.0618, 36.2077,
5.9841

 68.6997, 59.8054,
98.2870

 74.1816, 62.5379,
102.7690

 77.0612, 64.0224,
102.9037

Harmonies

Analogous

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



36.7564, 42.1909, 18.1089



31.4166, 42.1909, 23.9406



28.5838, 42.1909, 36.7801

Triad

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



31.4166, 42.1909, 23.9406



36.7608, 42.1909, 93.3907



54.3574, 42.1909, 36.7686

Complementary

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



31.4166, 42.1909, 23.9406



31.9305, 25.2178, 50.2006

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.



54.3589, 42.1909, 56.5040



31.4166, 42.1909, 23.9406



43.6429, 42.1909, 93.3849

Square

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



31.4166, 42.1909, 23.9406



31.4195, 42.1909, 78.4604



50.2547, 42.1909, 78.4464



50.2507, 42.1909, 23.9343

Rectangle

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



31.4166, 42.1909, 23.9406



28.2646, 42.1909, 49.3440



50.2547, 42.1909, 78.4464



54.8521, 42.1909, 42.6938

Sweetspot

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



31.4177, 42.1927, 23.9415



74.4953, 84.2238, 77.0271



37.9882, 40.2249, 23.2154



16.1535, 18.4283, 16.4747



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.4177, 42.1927, 23.9415



51.5298, 73.3000, 34.5985



29.7432, 41.2100, 29.2601



9.6393, 10.7685, 10.1471



13.1924, 24.9768, 4.1257



0.5810, 1.0115, 0.1646

Inverse Universe

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



31.9305, 25.2178, 50.2006



52.5637, 38.2404, 88.8121



34.4553, 26.7049, 41.9351



9.6769, 9.5658, 12.0086



13.4166, 6.2026, 32.8830



0.5841, 0.2732, 1.2908

Previews

White Background



This preview shows how the XYZ color 31.4166, 42.1909, 23.9406 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 31.4166, 42.1909, 23.9406 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 31.4166, 42.1909, 23.9406

Background



This preview shows how black text looks on a background with the XYZ color 31.4166, 42.1909, 23.9406.



This preview shows how white text looks on a background with the XYZ color 31.4166, 42.1909,

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

31.4166, 42.1909, 23.9406

Protanopia

38.6632, 41.7708, 21.6476

Deuteranopia

42.7279, 41.8495, 24.8945



Tritanopia

37.8292, 42.0361, 55.9891

Trichromacy



Original Color

31.4166, 42.1909, 23.9406

Protanomaly

35.3771, 41.5136, 22.3680

Deuteranomaly

37.7050, 41.5010, 24.4356

Tritanomaly

34.9925, 41.7841, 41.8181

Monochromacy



Original Color

31.4166, 42.1909, 23.9406

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

33.4242, 38.5132, 33.6891

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4166, 42.1909, 23.9406 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(137, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(137, 187, 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(137, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.4166, 42.1909, 23.9406 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(137, 187, 119) }
```


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

```
.border{ border-color:rgb(137, 187, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(137, 187,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4166, 42.1909, 23.9406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 187, 119) }
```

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

```
.background{ background-color: rgb(137,  
187, 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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