

Converting Colors

XYZ(31.3037, 42.1327, 23.9353)

Have a look what the booklet for
XYZ(31.3037, 42.1327, 23.9353)
contains.

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Color

**XYZ(31.2534, 42.1068,
23.9330)**

Conversions

Conversions Part 1

Format	Color
Hex	88BB77
RGB	136, 187, 119
RGB Percent	53%, 73%, 47%
CMY	0.4667, 0.2667, 0.5333
CMYK	0.27, 0.00, 0.36, 0.27
HSL	105°, 33%, 60%
HSV	105°, 36%, 73%
XYZ	31.2534, 42.1068, 23.9330
YIQ	163.9990, -8.5680, -31.9600

Conversions

Conversions Part 2

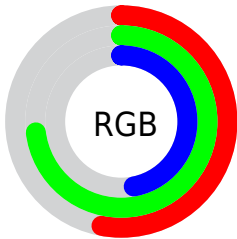
Format	Color
RYB	119, 187, 170
Decimal	8960887
CIELab	70.94, -29.65, 29.20
CIELCh	71, 41.618, 135.436
Yxy	42.1068, 0.3212, 0.4328
Android (android.graphics.Color)	4287150967 (0xFF88BB77)
YUV	163.9990, -22.1845, -24.5551
Hunter-Lab	64.8898, -27.5846, 23.5552

Details

The XYZ color **31.2534, 42.1068, 23.9330** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.1460, 25.3289, 50.2107**, and the grayscale version is **35.3922, 37.2353, 40.5493**.

A 20% lighter version of the original color is **60.9828, 78.1561, 50.9012**, and **13.1179, 19.0895, 8.6235** is the 20% darker color. If you saturate the color by 10%, you get **28.1085, 40.6040, 18.4892**, and if you desaturate by 10%, it is **34.9196, 43.8553, 30.5565**.

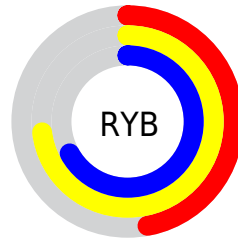
Distribution



Red (53%)

Green (73%)

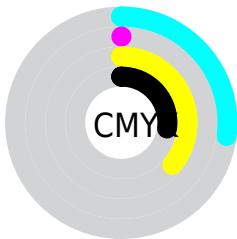
Blue (47%)



Red (47%)

Yellow (73%)

Blue (67%)

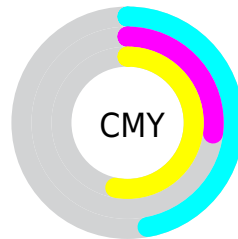


Cyan (27%)

Magenta (0%)

Yellow (36%)

Black (27%)



Cyan (47%)

Magenta (27%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2534, 42.1068, 23.9330 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 31.2534, 42.1068, 23.9330 by changing the saturation by 10% instead.

■ 31.2534, 42.1068,
23.9330

■ 31.2534, 42.1068,
23.9330

299.5101,
354.9255, 285.7572

■ 20.9447, 29.1849,
15.0722

■ 61.0119, 78.3612,
50.8633

■ 13.1958, 19.2208,
8.7229

■ 81.1924, 102.4626,
69.7699

■ 7.6414, 11.8299,
4.4665

■ 105.3942,
131.0592, 92.8621

■ 3.9162, 6.6280,
1.8846

133.9827,
164.5355, 120.5586

■ 1.6549, 3.2305,
0.4829

167.3231,
203.2759, 153.2778

■ 0.4278, 1.2532,
0.0000

205.7810,

■ 0.0000, 0.1046,

247.6648, 191.4382

0.0000

249.7215,
298.0865, 235.4585

■ 0.0000, 0.0000,
0.0000

■ 31.2534, 42.1068,
23.9330

■ 31.2534, 42.1068,
23.9330

■ 28.1085, 40.6040,
18.4892

■ 34.9196, 43.8553,
30.5565

■ 25.4571, 39.3304,
14.1531

■ 39.1267, 45.8544,
38.4203

■ 23.2738, 38.2757,
10.8494


■ 43.8972, 48.1158,
47.5843


■ 21.5291, 37.4267,
8.4921


■ 49.2514, 50.6487,
58.1038


■ 20.1901, 36.7685,
6.9811


■ 55.2083, 53.4618,
70.0307


 19.2166, 36.2832,
6.1858

 61.7864, 56.5635,
83.4142

 18.9317, 36.1407,
5.9780

 69.0031, 59.9618,
98.3013

 74.6064, 62.7569,
102.7888

 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.



36.5762, 42.1068, 18.0105



31.2534, 42.1068, 23.9330



28.4536, 42.1068, 36.8996

Triad

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



31.2534, 42.1068, 23.9330



36.7612, 42.1068, 93.6270



54.2987, 42.1068, 36.4160

Complementary

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



31.2534, 42.1068, 23.9330



32.1460, 25.3289, 50.2107

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.



54.3631, 42.1068, 56.1354



31.2534, 42.1068, 23.9330



43.6760, 42.1068, 93.3851

Square

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



31.2534, 42.1068, 23.9330



31.3753, 42.1068, 78.7898



50.2924, 42.1068, 78.2016



50.1254, 42.1068, 23.6675

Rectangle

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



31.2534, 42.1068, 23.9330



28.1611, 42.1068, 49.5607



50.2924, 42.1068, 78.2016



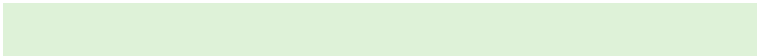
54.8163, 42.1068, 42.3239

Sweetspot

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



31.2545, 42.1086, 23.9339



74.3749, 84.1617, 77.0215



38.1998, 40.6481, 23.2860



16.1242, 18.4132, 16.4734



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.



31.2545, 42.1086, 23.9339



51.2085, 73.1343, 34.5834



29.8234, 41.2421, 29.6822



9.6263, 10.7617, 10.1465



13.1004, 24.9294, 4.1214



0.5753, 1.0086, 0.1643

Inverse Universe

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



32.1460, 25.3289, 50.2107



53.0237, 38.4776, 88.8337



34.3476, 26.6619, 41.3679



9.6907, 9.5730, 12.0092



13.7305, 6.3644, 32.8977



0.5943, 0.2784, 1.2913

Previews

White Background



This preview shows how the XYZ color 31.2534, 42.1068, 23.9330 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 31.2534, 42.1068, 23.9330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

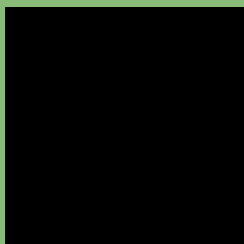
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.2534, 42.1068, 23.9330

Background



This preview shows how black text looks on a background with the XYZ color 31.2534, 42.1068, 23.9330.



This preview shows how white text looks on a background with the XYZ color 31.2534, 42.1068,

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

31.2534, 42.1068, 23.9330

Protanopia

38.6632, 41.7708, 21.6476

Deuteranopia

42.4511, 41.7068, 24.8816



Tritanopia

37.6476, 41.9425, 55.9806

Trichromacy



Original Color

31.2534, 42.1068, 23.9330

Protanomaly

35.3771, 41.5136, 22.3680

Deuteranomaly

37.4713, 41.3805, 24.4246

Tritanomaly

34.8170, 41.6937, 41.8099

Monochromacy



Original Color

31.2534, 42.1068, 23.9330

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 31.2534, 42.1068, 23.9330 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(136, 187, 119)` looks like.

```
.text, #text, p{  
    color:rgb(136, 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(136, 187, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 187, 119) }
```

Border

The CSS property to change the border of an element to XYZ 31.2534, 42.1068, 23.9330 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(136, 187, 119) }
```


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

```
.border{ border-color:rgb(136, 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(136, 187, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 187, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 187, 119);  
box-shadow:4px 4px 4px 4px rgb(136, 187,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2534, 42.1068, 23.9330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 187, 119) }
```

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

```
.background{ background-color: rgb(136,  
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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