

# Converting Colors

XYZ(33.1419, 44.1042, 31.6290)

Have a look what the booklet for  
XYZ(33.1419, 44.1042, 31.6290)  
contains.

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# Color

**XYZ(33.1959, 44.2234,  
31.5973)**

# Conversions

## Conversions Part 1

Format	Color
Hex	86BF8C
RGB	134, 191, 140
RGB Percent	53%, 75%, 55%
CMY	0.4745, 0.2510, 0.4510
CMYK	0.30, 0.00, 0.27, 0.25
HSL	126°, 31%, 64%
HSV	126°, 30%, 75%
XYZ	33.1959, 44.2234, 31.5973
YIQ	168.1430, -17.6010, -27.9450

# Conversions

## Conversions Part 2

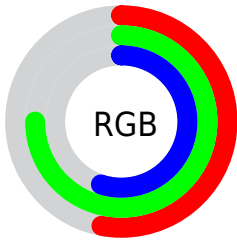
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 186, 191
Decimal	8830860
CIELab	72.38, -28.82, 19.96
CIElCh	72, 35.061, 145.292
Yxy	44.2234, 0.3045, 0.4057
Android (android.graphics.Color)	4287020940 (0xFF86BF8C)
YUV	168.1430, -13.8745, -29.9434
Hunter-Lab	66.5007, -27.2723, 18.3793

# Details

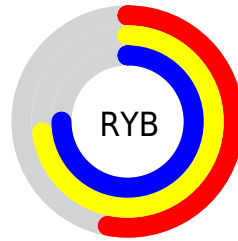
The XYZ color **33.1959, 44.2234, 31.5973** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **38.7693, 31.6302, 49.9624**, and the grayscale version is **37.3628, 39.3086, 42.8070**.

A 20% lighter version of the original color is **64.2913, 81.8487, 63.4488**, and **14.2708, 20.4233, 12.8628** is the 20% darker color. If you saturate the color by 10%, you get **29.2585, 42.3293, 25.3384**, and if you desaturate by 10%, it is **37.8812, 46.4830, 38.9147**.

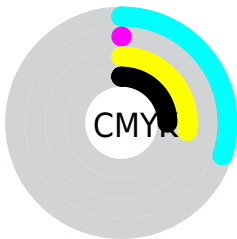
# Distribution



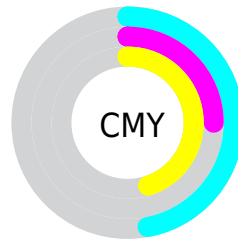
- Red (53%)
- Green (75%)
- Blue (55%)



- Red (53%)
- Yellow (73%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (27%)
- Black (25%)




- Cyan (47%)
- Magenta (25%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1959, 44.2234, 31.5973 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 33.1959, 44.2234, 31.5973 by changing the saturation by 10% instead.





 33.1959, 44.2234,  
31.5973


 33.1959, 44.2234,  
31.5973


308.1809,  
363.6191, 323.7167


 22.4365, 30.8462,  
20.7918


 64.0339, 81.5538,  
63.2698

 14.2964, 20.4817,  
12.7822


 84.8432, 106.2758,  
84.9739

 8.4102, 12.7457,  
7.1498

 109.7332,  
135.5481, 111.1480

 4.4125, 7.2537,  
3.4761

139.0692,  
169.7552, 142.2106

 1.9381, 3.6212,  
1.3426

173.2167,  
209.2815, 178.5802

 0.5988, 1.4640,  
0.0963

212.5409,

 0.0000, 0.2632,

254.5113, 220.6754

0.0000

257.4072,  
305.8290, 268.9147

■ 0.0000, 0.0000,  
0.0000

■ 33.1959, 44.2234,  
31.5973

■ 33.1959, 44.2234,  
31.5973

■ 29.2585, 42.3293,  
25.3384

■ 37.8812, 46.4830,  
38.9147

■ 26.0268, 40.7762,  
20.0862

■ 43.3468, 49.1199,  
47.3334

■ 23.4600, 39.5455,  
15.7891


■ 49.6273, 52.1524,  
56.8972


■ 21.5115, 38.6142,  
12.3896


■ 56.7543, 55.5959,  
67.6469


■ 20.1285, 37.9566,  
9.8241


■ 64.7575, 59.4650,  
79.6210

 19.2494, 37.5424,  
8.0206

 73.6654, 63.7735,  
92.8566

 18.7650, 37.3171,  
6.8934

 77.9217, 65.7434,  
103.1906

 18.7589, 37.3143,  
6.8806

# Harmonies

## Analogous

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



37.2670, 44.2234, 23.9180



33.1959, 44.2234, 31.5973



31.4948, 44.2234, 45.4748

# Triad

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



33.1959, 44.2234, 31.5973



41.0876, 44.2234, 89.4551



53.4238, 44.2234, 35.3015

# Complementary

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



33.1959, 44.2234, 31.5973



38.7693, 31.6302, 49.9624

# 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.



54.6931, 44.2234, 50.9317



33.1959, 44.2234, 31.5973



47.1889, 44.2234, 84.8895

# Square

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



33.1959, 44.2234, 31.5973



35.7650, 44.2234, 80.9701



52.3139, 44.2234, 69.6653



48.9937, 44.2234, 25.6702



# Rectangle

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



33.1959, 44.2234, 31.5973



31.8025, 44.2234, 57.4607



52.3139, 44.2234, 69.6653



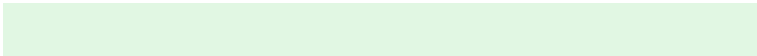
54.2513, 44.2234, 39.9068

# Sweetspot

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



33.1971, 44.2253, 31.5983



78.3717, 88.3275, 85.9044



43.0157, 49.3367, 29.8103



16.8698, 19.2319, 18.3434



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

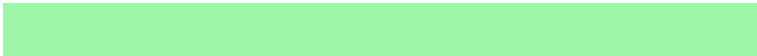


# Same Dimension

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



33.1971, 44.2253, 31.5983



54.5663, 76.8510, 48.8467



35.5501, 45.1665, 43.9892



9.4485, 10.6655, 10.3454



12.3423, 24.5272, 4.5996



0.4973, 0.9663, 0.2528



# Inverse Universe

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



38.7693, 31.6302, 49.9624



66.1891, 50.5670, 87.1420



36.0810, 30.5548, 35.8057



9.8855, 9.6785, 11.7861



18.9619, 9.2159, 26.1569



0.7553, 0.3660, 1.0909



# Previews

## White Background



This preview shows how the XYZ color 33.1959, 44.2234, 31.5973 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 33.1959, 44.2234, 31.5973 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 33.1959, 44.2234, 31.5973**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1959, 44.2234, 31.5973.



This preview shows how white text looks on a background with the XYZ color 33.1959, 44.2234,



# 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

33.1959, 44.2234, 31.5973

### Protanopia

40.9420, 43.9566, 28.5169

### Deuteranopia

44.6624, 43.7729, 32.8831



## Tritanopia

38.8036, 43.9639, 59.8668

# Trichromacy



## Original Color

33.1959, 44.2234, 31.5973

## Protanomaly

37.5341, 43.6685, 29.7432

## Deuteranomaly

39.4687, 43.4077, 32.2849

## Tritanomaly

36.4792, 43.9549, 48.1564

# Monochromacy



## Original Color

33.1959, 44.2234, 31.5973

## Achromatopsia

37.2190, 39.1572, 42.6422

## Achromatomaly

35.4072, 40.5872, 38.3157

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1959, 44.2234, 31.5973 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(134, 191, 140)` looks like.

```
.text, #text, p{  
    color:rgb(134, 191, 140)  
}
```

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(134, 191, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 191, 140) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1959, 44.2234, 31.5973 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(134, 191, 140) }
```



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

```
.border{ border-color:rgb(134, 191, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 191, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 191, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 191, 140);  
box-shadow:4px 4px 4px 4px rgb(134, 191,  
140) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1959, 44.2234, 31.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 191, 140) }
```

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

```
.background{ background-color: rgb(134,  
191, 140) }
```

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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