

# Converting Colors

XYZ(32.9629, 49.4284, 32.8608)

Have a look what the booklet for  
XYZ(32.9629, 49.4284, 32.8608)  
contains.

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# Color

**XYZ(33.0644, 49.6129,  
33.0329)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6ACF8D
RGB	106, 207, 141
RGB Percent	42%, 81%, 55%
CMY	0.5843, 0.1882, 0.4471
CMYK	0.49, 0.00, 0.32, 0.19
HSL	141°, 51%, 61%
HSV	141°, 49%, 81%
XYZ	33.0644, 49.6129, 33.0329
YIQ	169.2770, -39.0100, -41.9380

# Conversions

## Conversions Part 2

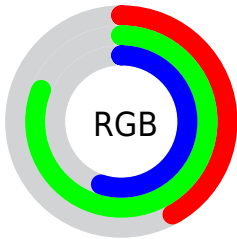
Format	Color
<a href="#">RYB</a>	<a href="#">106, 181, 207</a>
Decimal	<a href="#">6999949</a>
CIELab	<a href="#">75.83, -44.17, 23.94</a>
CIElCh	<a href="#">76, 50.244, 151.542</a>
Yxy	<a href="#">49.6129, 0.2858, 0.4288</a>
Android (android.graphics.Color)	<a href="#">4285190029 (0xFF6ACF8D)</a>
YUV	<a href="#">169.2770, -13.9406, -55.4939</a>
Hunter-Lab	<a href="#">70.4364, -39.4719, 21.5000</a>

# Details

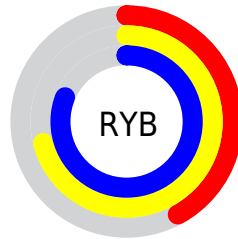
The XYZ color **33.0644, 49.6129, 33.0329** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **38.3341, 26.5531, 42.1363**, and the grayscale version is **37.9310, 39.9064, 43.4581**.

A 20% lighter version of the original color is **60.7146, 83.2467, 64.4980**, and **14.2460, 23.7990, 13.5157** is the 20% darker color. If you saturate the color by 10%, you get **29.9493, 48.1177, 27.9505**, and if you desaturate by 10%, it is **36.8988, 51.4675, 38.7929**.

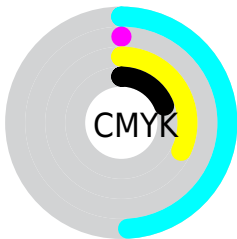
# Distribution



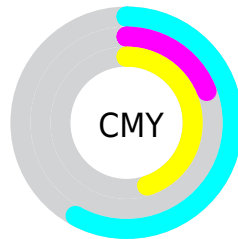
- Red (42%)
- Green (81%)
- Blue (55%)



- Red (42%)
- Yellow (71%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (32%)
- Black (19%)




- Cyan (58%)
- Magenta (19%)
- Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0644, 49.6129, 33.0329 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 33.0644, 49.6129, 33.0329 by changing the saturation by 10% instead.





 33.0644, 49.6129,  
33.0329


 33.0644, 49.6129,  
33.0329


307.5997,  
385.1502, 330.4345


 22.3353, 35.1059,  
21.8803


 63.8301, 89.6011,  
65.5435

 14.2214, 23.7445,  
13.5715


 84.5973, 115.8510,  
87.7386

 8.3576, 15.1442,  
7.6879

 109.4413,  
146.7841, 114.4516

 4.3783, 8.9206,  
3.8110

 138.7273,  
182.7847, 146.1011

 1.9183, 4.6895,  
1.5223

172.8209,  
224.2373, 183.1056

 0.5874, 2.0662,  
0.2344

212.0872,

 0.0000, 0.6455,

271.5261, 225.8836

0.0000

256.8917,  
325.0356, 274.8538

■ 0.0000, 0.0000,  
0.0000

■ 33.0644, 49.6129,  
33.0329

■ 33.0644, 49.6129,  
33.0329

■ 29.9493, 48.1177,  
27.9505

■ 36.8988, 51.4675,  
38.7929

■ 27.5017, 46.9515,  
23.5171

■ 41.4918, 53.6971,  
45.2510

■ 25.6689, 46.0891,  
19.7069


■ 46.8846, 56.3238,  
52.4310


■ 24.3877, 45.4984,  
16.4908


■ 53.1141, 59.3663,  
60.3546


■ 23.5598, 45.1296,  
13.8364


■ 60.2148, 62.8419,  
69.0425

 23.4748, 45.0919,  
13.5517

 68.2193, 66.7670,  
78.5146

 77.1585, 71.1572,  
88.7901

 80.6868, 72.7407,  
99.5891

 81.6038, 73.1075,  
104.4179

# Harmonies

## Analogous

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



38.3716, 49.6129, 20.9754



33.0644, 49.6129, 33.0329



31.3862, 49.6129, 55.4161

# Triad

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



33.0644, 49.6129, 33.0329



47.6406, 49.6129, 123.4627



64.1751, 49.6129, 31.3355

# Complementary

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



33.0644, 49.6129, 33.0329



38.3341, 26.5531, 42.1363

# 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.



67.4805, 49.6129, 52.6475



33.0644, 49.6129, 33.0329



57.1872, 49.6129, 110.7726

# Square

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



33.0644, 49.6129, 33.0329



39.1059, 49.6129, 113.0220



64.7705, 49.6129, 82.4185



56.2404, 49.6129, 20.2473

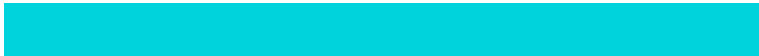


# Rectangle

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



33.0644, 49.6129, 33.0329



32.3472, 49.6129, 75.1898



64.7705, 49.6129, 82.4185



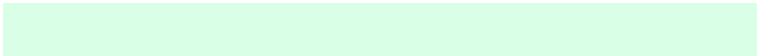
65.9082, 49.6129, 37.2511

# Sweetspot

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



33.0657, 49.6149, 33.0340



78.5846, 91.9469, 88.4721



42.2234, 54.5908, 21.9478



16.3798, 19.4654, 18.3703



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



33.0657, 49.6149, 33.0340



47.5920, 76.9197, 44.0964



37.5707, 51.4169, 56.7570



11.8230, 13.2730, 13.4244



14.8300, 28.4249, 8.7509



0.8662, 1.6042, 0.6844



# Inverse Universe

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



38.3341, 26.5531, 42.1363



57.0092, 35.5771, 60.2775



34.4523, 25.0003, 21.6946



12.1295, 11.9365, 13.9579



19.0257, 9.4831, 15.5735

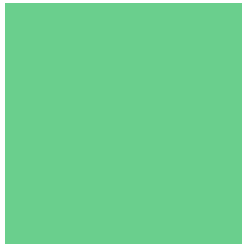


1.1004, 0.5449, 1.0637



# Previews

## White Background



This preview shows how the XYZ color 33.0644, 49.6129, 33.0329 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

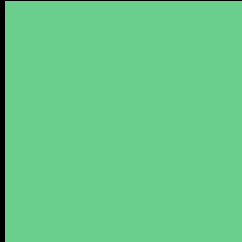
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.0644, 49.6129, 33.0329 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

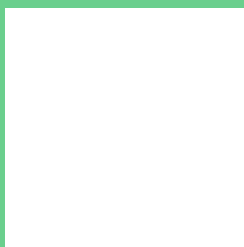
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.0644, 49.6129, 33.0329**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.0644, 49.6129, 33.0329.



This preview shows how white text looks on a background with the XYZ color 33.0644, 49.6129,



# 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

33.0644, 49.6129, 33.0329

### Protanopia

45.5432, 49.0631, 28.8995

### Deuteranopia

49.8021, 48.6991, 34.3788



## Tritanopia

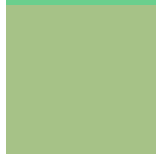
40.6439, 49.5283, 71.0361

# Trichromacy



## Original Color

33.0644, 49.6129, 33.0329



## Protanomaly

39.3908, 48.4398, 30.1954



## Deuteranomaly

41.4399, 47.7866, 33.8277



## Tritanomaly

37.1924, 49.1431, 54.5390

# Monochromacy



## Original Color

33.0644, 49.6129, 33.0329



## Achromatopsia

37.7116, 39.6755, 43.2066



## Achromatomaly

35.0456, 42.4812, 39.1535

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0644, 49.6129, 33.0329 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(106, 207, 141)` looks like.

```
.text, #text, p{  
    color:rgb(106, 207, 141)  
}
```

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(106, 207, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 207, 141) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0644, 49.6129, 33.0329 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(106, 207, 141) }
```



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

```
.border{ border-color:rgb(106, 207, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 207, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 207, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 207, 141);  
box-shadow:4px 4px 4px 4px rgb(106, 207,  
141) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0644, 49.6129, 33.0329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 207, 141) }
```

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

```
.background{ background-color: rgb(106,  
207, 141) }
```

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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