

# Converting Colors

XYZ(24.9770, 34.4143, 21.8927)

Have a look what the booklet for  
XYZ(24.9770, 34.4143, 21.8927)  
contains.

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# Color

**XYZ(24.9751, 34.4108,  
21.8486)**

# Conversions

## Conversions Part 1

Format	Color
Hex	73AC74
RGB	115, 172, 116
RGB Percent	45%, 67%, 45%
CMY	0.5490, 0.3255, 0.5451
CMYK	0.33, 0.00, 0.33, 0.33
HSL	121°, 26%, 56%
HSV	121°, 33%, 67%
XYZ	24.9751, 34.4108, 21.8486
YIQ	148.5730, -15.9960, -29.5000

# Conversions

## Conversions Part 2

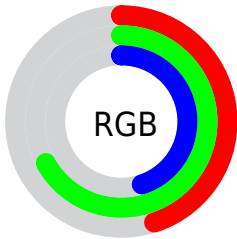
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">115, 171, 172</a>
Decimal	<a href="#">7580788</a>
CIELab	<a href="#">65.29, -30.12, 23.06</a>
CIELCh	<a href="#">65, 37.937, 142.564</a>
Yxy	<a href="#">34.4108, 0.3074, 0.4236</a>
Android (android.graphics.Color)	<a href="#">4285770868 (0xFF73AC74)</a>
YUV	<a href="#">148.5730, -16.0585, -29.4435</a>
Hunter-Lab	<a href="#">58.6607, -26.6590, 18.9795</a>

# Details

The XYZ color **24.9751, 34.4108, 21.8486** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **30.4958, 23.9730, 41.5493**, and the grayscale version is **28.4585, 29.9405, 32.6053**.

A 20% lighter version of the original color is **51.1735, 66.7490, 47.2325**, and **9.7243, 14.6889, 7.6329** is the 20% darker color. If you saturate the color by 10%, you get **22.0257, 32.9948, 17.0381**, and if you desaturate by 10%, it is **28.5271, 36.1188, 27.6222**.

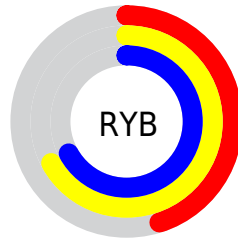
# Distribution



Red (45%)

Green (67%)

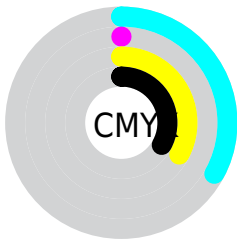
Blue (45%)



Red (45%)

Yellow (67%)

Blue (67%)

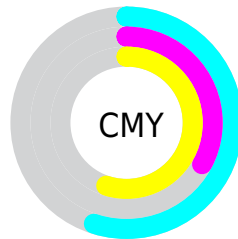


Cyan (33%)

Magenta (0%)

Yellow (33%)

Black (33%)



Cyan (55%)

Magenta (33%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9751, 34.4108, 21.8486 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 24.9751, 34.4108, 21.8486 by changing the saturation by 10% instead.



■ 24.9751, 34.4108,  
21.8486

■ 24.9751, 34.4108,  
21.8486

270.0638,  
321.9599, 274.6823

■ 16.1871, 23.2094,  
13.5484

■ 51.0600, 66.5720,  
47.3946

■ 9.7484, 14.7482,  
7.6721

■ 69.0877, 88.3005,  
65.4776

■ 5.2934, 8.6428,  
3.8011

■ 90.9259, 114.3069,  
87.6585

■ 2.4569, 4.5090,  
1.5169

116.9402,  
144.9755, 114.3560

■ 0.8736, 1.9621,  
0.2305

147.4957,  
180.6907, 145.9886

■ 0.0000, 0.5853,  
0.0000

182.9579,

■ 0.0000, 0.0000,

221.8369, 182.9748

0.0000

223.6922,  
268.7985, 225.7332

■ 24.9751, 34.4108,  
21.8486

■ 24.9751, 34.4108,  
21.8486

■ 22.0257, 32.9948,  
17.0381

■ 28.5271, 36.1188,  
27.6222

■ 19.6432, 31.8504,  
13.1361

■ 32.7098, 38.1293,  
34.4048

■ 17.7918, 30.9616,  
10.0862


■ 37.5525, 40.4574,  
42.2421


■ 16.4309, 30.3086,  
7.8249


■ 43.0823, 43.1160,  
51.1766


■ 15.5140, 29.8692,  
6.2795


■ 49.3243, 46.1174,  
61.2481


 14.9855, 29.6165,  
5.3643

 56.3027, 49.4732,  
72.4947

 14.7697, 29.5130,  
5.0049

 64.0403, 53.1944,  
84.9526

 72.5592, 57.2916,  
98.6564

 74.0432, 57.9864,  
101.8977

# Harmonies

## Analogous

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



28.7968, 34.4108, 15.8085



24.9751, 34.4108, 21.8486



23.2624, 34.4108, 33.6662

# Triad

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



24.9751, 34.4108, 21.8486



31.3507, 34.4108, 76.4607



43.5308, 34.4108, 26.9631

# Complementary

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



24.9751, 34.4108, 21.8486



30.4958, 23.9730, 41.5493

# 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.



44.4126, 34.4108, 41.5447



24.9751, 34.4108, 21.8486



36.9548, 34.4108, 73.1733

# Square

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



24.9751, 34.4108, 21.8486



26.6641, 34.4108, 67.1919



41.8883, 34.4108, 59.1731



39.5988, 34.4108, 18.1287



# Rectangle

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



24.9751, 34.4108, 21.8486



23.3941, 34.4108, 44.4836



41.8883, 34.4108, 59.1731



44.2105, 34.4108, 31.2309

# Sweetspot

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



24.9760, 34.4123, 21.8494



61.8122, 70.3586, 66.4199



34.6540, 39.4081, 21.9999



13.1839, 15.1707, 14.0308



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



24.9760, 34.4123, 21.8494



41.1565, 60.4314, 32.8685



26.8922, 35.1787, 31.9399



7.9100, 8.9416, 8.5510



10.9928, 21.9624, 3.7357



0.3076, 0.6117, 0.1134



# Inverse Universe

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



30.4958, 23.9730, 41.5493



52.7739, 38.4571, 74.3290



28.0689, 23.0023, 28.7695



8.3309, 8.1456, 10.0534



17.9908, 8.6588, 28.6604



0.5024, 0.2416, 0.8072



# Previews

## White Background



This preview shows how the XYZ color 24.9751, 34.4108, 21.8486 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

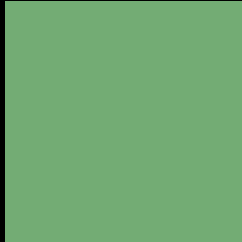
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.9751, 34.4108, 21.8486 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

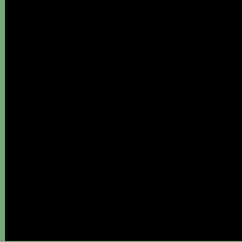
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 24.9751, 34.4108, 21.8486**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.9751, 34.4108, 21.8486.



This preview shows how white text looks on a background with the XYZ color 24.9751, 34.4108,



# 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

24.9751, 34.4108, 21.8486

### Protanopia

31.6189, 34.1256, 19.6722

### Deuteranopia

34.5254, 33.8280, 22.7989



## Tritanopia

29.9637, 34.2373, 46.6242

# Trichromacy



## Original Color

24.9751, 34.4108, 21.8486

## Protanomaly

28.5995, 33.8483, 20.3552

## Deuteranomaly

30.2251, 33.6018, 22.3455

## Tritanomaly

27.9035, 34.2149, 36.1438

# Monochromacy



## Original Color

24.9751, 34.4108, 21.8486

## Achromatopsia

28.5667, 30.0544, 32.7292

## Achromatomaly

26.8889, 31.2384, 28.2793

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.9751, 34.4108, 21.8486 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(115, 172, 116)` looks like.

```
.text, #text, p{  
    color:rgb(115, 172, 116)  
}
```

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(115, 172, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 172, 116) }
```

## Border

The CSS property to change the border of an element to XYZ 24.9751, 34.4108, 21.8486 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".

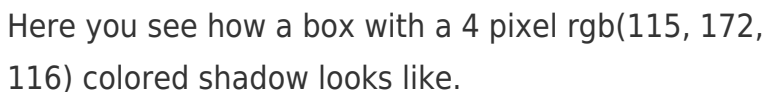
```
.border, #border, table{ border:4px solid rgb(115, 172, 116) }
```



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

```
.border{ border-color:rgb(115, 172, 116) }
```

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



Here you see how a box with a 4 pixel `rgb(115, 172, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 172, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 172, 116);  
box-shadow:4px 4px 4px 4px rgb(115, 172,  
116) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.9751, 34.4108, 21.8486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 172, 116) }
```

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

```
.background{ background-color: rgb(115,  
172, 116) }
```

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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