

# Converting Colors

XYZ(29.1731, 34.1133, 29.4762)

Have a look what the booklet for  
XYZ(29.1731, 34.1133, 29.4762)  
contains.

<b>XYZ(29.2634, 34.2546, 29.4956)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(29.2634, 34.2546,  
29.4956)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8FA48B
RGB	143, 164, 139
RGB Percent	56%, 64%, 55%
CMY	0.4392, 0.3568, 0.4549
CMYK	0.13, 0.00, 0.15, 0.36
HSL	110°, 12%, 59%
HSV	110°, 15%, 64%
XYZ	29.2634, 34.2546, 29.4956
YIQ	154.8710, -4.4910, -12.2270

# Conversions

## Conversions Part 2

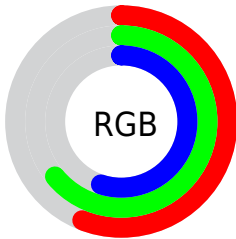
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 164, 160
Decimal	9413771
CIELab	65.16, -12.22, 10.53
CIElCh	65, 16.133, 139.255
Yxy	34.2546, 0.3146, 0.3683
Android (android.graphics.Color)	4287603851 (0xFF8FA48B)
YUV	154.8710, -7.8244, -10.4109
Hunter-Lab	58.5274, -13.1740, 11.0893

# Details

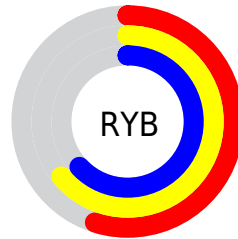
The XYZ color **29.2634, 34.2546, 29.4956** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **30.4319, 28.6201, 39.0439**, and the grayscale version is **31.1344, 32.7558, 35.6710**.

A 20% lighter version of the original color is **57.9831, 66.3836, 60.2094**, and **12.0110, 14.5849, 11.6333** is the 20% darker color. If you saturate the color by 10%, you get **25.9138, 32.6570, 23.5459**, and if you desaturate by 10%, it is **33.0876, 36.0780, 36.4074**.

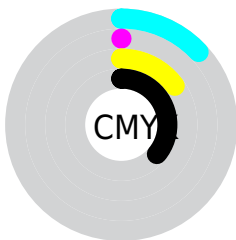
# Distribution



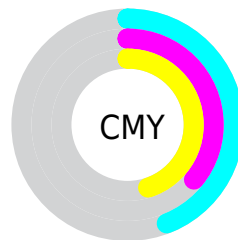
- Red (56%)
- Green (64%)
- Blue (55%)



- Red (55%)
- Yellow (64%)
- Blue (63%)



- Cyan (13%)
- Magenta (0%)
- Yellow (15%)
- Black (36%)



- Cyan (44%)
- Magenta (36%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2634, 34.2546, 29.4956 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 29.2634, 34.2546, 29.4956 by changing the saturation by 10% instead.



■ 29.2634, 34.2546,  
29.4956

■ 29.2634, 34.2546,  
29.4956

290.4276,  
321.2658, 313.6800

■ 19.4255, 23.0893,  
19.2073

■ 57.8900, 66.3294,  
59.9151

■ 12.0839, 14.6594,  
11.6418

■ 77.4093, 88.0076,  
80.8834

■ 6.8735, 8.5807,  
6.3807

■ 100.8865,  
113.9590, 106.2487

■ 3.4287, 4.4687,  
3.0054

128.6869,  
144.5678, 136.4296

■ 1.3843, 1.9391,  
1.0974

161.1758,  
180.2185, 171.8447

■ 0.2450, 0.5717,  
0.0000

198.7187,

■ 0.0000, 0.0000,

221.2955, 212.9124

0.0000

241.6808,  
268.1831, 260.0513

■ 29.2634, 34.2546,  
29.4956

■ 29.2634, 34.2546,  
29.4956

■ 25.9138, 32.6570,  
23.5459

■ 33.0876, 36.0780,  
36.4074

■ 23.0174, 31.2723,  
18.5135

■ 37.4012, 38.1311,  
44.3190

■ 20.5554, 30.0926,  
14.3534

■ 42.2216, 40.4231,  
53.2686

■ 18.5066, 29.1081,  
11.0161

■ 47.5648, 42.9612,  
63.2920

■ 16.8478, 28.3081,  
8.4469

■ 53.4457, 45.7527,  
74.4231

■ 15.5536, 27.6808,  
6.5845

■ 59.8790, 48.8042,  
86.6945

■ 14.5954, 27.2130,  
5.3584

■ 66.8786, 52.1224,  
100.1371

■ 13.9393, 26.8891,  
4.6794

■ 71.9121, 54.6950,  
101.3748

■ 13.7082, 26.7749,  
4.4456

■ 72.5661, 55.0322,  
101.4054

# Harmonies

## Analogous

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



31.0951, 34.2546, 26.3968



29.2634, 34.2546, 29.4956



28.3303, 34.2546, 34.9437

# Triad

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



29.2634, 34.2546, 29.4956



31.7254, 34.2546, 51.4603



36.9979, 34.2546, 33.2033

# Complementary

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



29.2634, 34.2546, 29.4956



30.4319, 28.6201, 39.0439

# 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.



37.1866, 34.2546, 39.7546



29.2634, 34.2546, 29.4956



34.0660, 34.2546, 50.8488

# Square

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



29.2634, 34.2546, 29.4956



29.7057, 34.2546, 47.9487



36.0910, 34.2546, 46.3663



35.5872, 34.2546, 28.3533



# Rectangle

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



29.2634, 34.2546, 29.4956



28.3117, 34.2546, 39.4106



36.0910, 34.2546, 46.3663



37.2089, 34.2546, 35.2612

# Sweetspot

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



29.2643, 34.2561, 29.4963



60.1682, 65.5377, 66.2854



32.5134, 34.8420, 29.4382



13.0469, 14.2769, 14.2964



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



29.2643, 34.2561, 29.4963



51.1456, 61.2372, 50.0142



29.2166, 34.1584, 32.7953



7.0862, 7.9469, 7.5405



10.5381, 20.5431, 3.4098



0.2496, 0.4462, 0.0730



# Inverse Universe

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



30.4319, 28.6201, 39.0439



53.6401, 49.1910, 70.4200



30.5162, 28.7477, 35.2464



7.2526, 7.1446, 8.8999



13.1776, 6.1998, 27.4319



0.3049, 0.1447, 0.5777



# Previews

## White Background



This preview shows how the XYZ color 29.2634, 34.2546, 29.4956 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

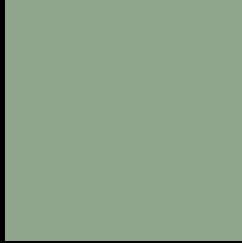
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.2634, 34.2546, 29.4956 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

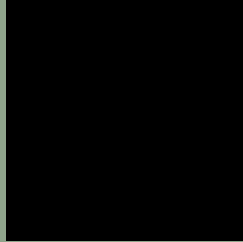
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.2634, 34.2546, 29.4956**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.2634, 34.2546, 29.4956.



This preview shows how white text looks on a background with the XYZ color 29.2634, 34.2546,



# 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

29.2634, 34.2546, 29.4956

### Protanopia

32.2268, 33.9985, 28.1564

### Deuteranopia

34.6264, 33.9633, 29.9299



## Tritanopia

32.0573, 34.0707, 43.9164

# Trichromacy



## Original Color

29.2634, 34.2546, 29.4956

## Protanomaly

31.1867, 34.2169, 28.6277

## Deuteranomaly

32.3480, 33.7774, 29.6257

## Tritanomaly

30.9441, 34.1388, 38.2162

# Monochromacy



## Original Color

29.2634, 34.2546, 29.4956

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

30.4142, 33.2030, 33.2396

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.2634, 34.2546, 29.4956 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(143, 164, 139)` looks like.

```
.text, #text, p{  
    color:rgb(143, 164, 139)  
}
```

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(143, 164, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 164, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 29.2634, 34.2546, 29.4956 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(143, 164, 139) }
```



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

```
.border{ border-color:rgb(143, 164, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 164, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 164, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 164, 139);  
box-shadow:4px 4px 4px 4px rgb(143, 164,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.2634, 34.2546, 29.4956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 164, 139) }
```

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

```
.background{ background-color: rgb(143,  
164, 139) }
```

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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