

# Converting Colors

XYZ(34.7133, 49.6456, 26.9520)

Have a look what the booklet for  
XYZ(34.7133, 49.6456, 26.9520)  
contains.

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# Color

**XYZ(34.5910, 49.4663,  
26.7936)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83CC7C
RGB	131, 204, 124
RGB Percent	51%, 80%, 49%
CMY	0.4863, 0.2000, 0.5137
CMYK	0.36, 0.00, 0.39, 0.20
HSL	115°, 44%, 64%
HSV	115°, 39%, 80%
XYZ	34.5910, 49.4663, 26.7936
YIQ	173.0530, -17.8280, -40.3560

# Conversions

## Conversions Part 2

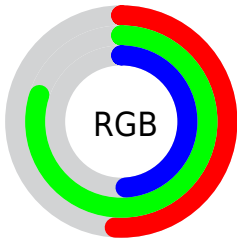
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 204, 197
Decimal	8637564
CIELab	75.74, -38.45, 32.84
CIELCh	76, 50.570, 139.498
Yxy	49.4663, 0.3120, 0.4462
Android (android.graphics.Color)	4286827644 (0xFF83CC7C)
YUV	173.0530, -24.1831, -36.8805
Hunter-Lab	70.3323, -35.2912, 26.6456

# Details

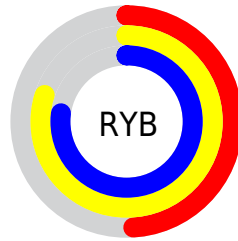
The XYZ color **34.5910, 49.4663, 26.7936** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **41.1351, 30.6469, 60.8768**, and the grayscale version is **39.8745, 41.9511, 45.6848**.

A 20% lighter version of the original color is **63.9455, 85.1334, 54.6571**, and **15.0440, 23.5671, 10.2346** is the 20% darker color. If you saturate the color by 10%, you get **30.8035, 47.6492, 20.5646**, and if you desaturate by 10%, it is **39.1659, 51.6614, 34.4546**.

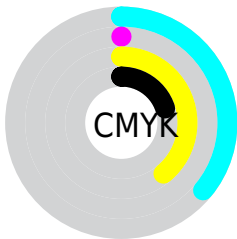
# Distribution



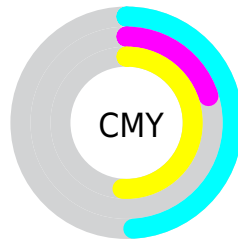
- Red (51%)
- Green (80%)
- Blue (49%)



- Red (49%)
- Yellow (80%)
- Blue (77%)



- Cyan (36%)
- Magenta (0%)
- Yellow (39%)
- Black (20%)




- Cyan (49%)
- Magenta (20%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 34.5910, 49.4663, 26.7936 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 34.5910, 49.4663, 26.7936 by changing the saturation by 10% instead.





 34.5910, 49.4663,  
26.7936


 34.5910, 49.4663,  
26.7936


314.2991,  
384.5752, 300.3849


 23.5130, 34.9895,  
17.1872


 66.1899, 89.3836,  
55.5522

 15.0956, 23.6548,  
10.2047


 87.4415, 115.5929,  
75.5415

 8.9732, 15.0778,  
5.4275


 112.8150,  
146.4819, 99.8288

 4.7807, 8.8740,  
2.4371

142.6759,  
182.4349, 128.8327

 2.1526, 4.6591,  
0.8066

177.3893,  
223.8364, 162.9717

 0.7176, 2.0486,  
0.0000

217.3208,

 0.0000, 0.6355,

271.0706, 202.6644

0.0000

262.8356,  
324.5221, 248.3292

■ 0.0000, 0.0000,  
0.0000

■ 34.5910, 49.4663,  
26.7936

■ 34.5910, 49.4663,  
26.7936

■ 30.8035, 47.6492,  
20.5646

■ 39.1659, 51.6614,  
34.4546

■ 27.7554, 46.1829,  
15.6758

■ 44.5654, 54.2476,  
43.6254

■ 25.3991, 45.0465,  
12.0297


■ 50.8287, 57.2448,  
54.3821


■ 23.6801, 44.2141,  
9.5144


■ 57.9915, 60.6700,  
66.7946


■ 22.5351, 43.6563,  
7.9978

■ 66.0872, 64.5391,  
80.9288

 21.8772, 43.3328,  
7.2570

 75.1480, 68.8671,  
96.8469

 21.8405, 43.3149,  
7.2095

 80.8839, 71.6678,  
104.1780

# Harmonies

## Analogous

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



41.2490, 49.4663, 18.3654



34.5910, 49.4663, 26.7936



31.4171, 49.4663, 44.9826

# Triad

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



34.5910, 49.4663, 26.7936



43.8045, 49.4663, 122.2947



66.1519, 49.4663, 38.3924

# Complementary

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



34.5910, 49.4663, 26.7936



41.1351, 30.6469, 60.8768

# 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.



67.0756, 49.4663, 63.8356



34.5910, 49.4663, 26.7936



53.2975, 49.4663, 118.7075

# Square

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



34.5910, 49.4663, 26.7936



36.2472, 49.4663, 103.4643



62.1089, 49.4663, 94.8606



59.7314, 49.4663, 23.3550



# Rectangle

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



34.5910, 49.4663, 26.7936



31.3752, 49.4663, 62.8425



62.1089, 49.4663, 94.8606



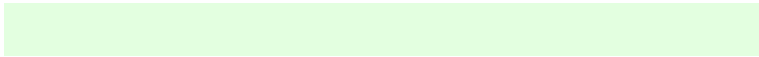
67.1452, 49.4663, 45.7777

# Sweetspot

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



34.5922, 49.4684, 26.7947



80.9716, 93.2669, 84.5404



48.2821, 53.7750, 26.9044



17.0317, 19.8196, 17.5800



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.



34.5922, 49.4684, 26.7947



51.9328, 79.3510, 35.5562



35.9074, 49.8734, 39.1879



11.1575, 12.5831, 11.9201



13.7797, 27.2790, 4.5391



0.7430, 1.4239, 0.2357



# Inverse Universe

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



41.1351, 30.6469, 60.8768



64.2226, 43.9154, 99.6994



39.5577, 30.2325, 42.7820



11.5870, 11.3519, 14.1508



19.6692, 9.3474, 36.7238



1.0438, 0.4972, 1.8959



# Previews

## White Background



This preview shows how the XYZ color 34.5910, 49.4663, 26.7936 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 34.5910, 49.4663, 26.7936 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

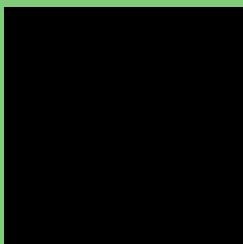
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

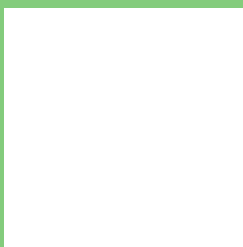
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 34.5910, 49.4663, 26.7936**

## **Background**



This preview shows how black text looks on a background with the XYZ color 34.5910, 49.4663, 26.7936.



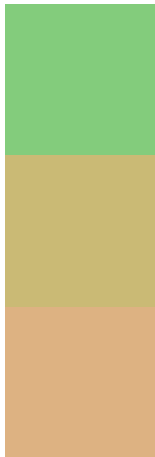
This preview shows how white text looks on a background with the XYZ color 34.5910, 49.4663,



# 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

34.5910, 49.4663, 26.7936

### Protanopia

45.1269, 48.9587, 23.9012

### Deuteranopia

49.7685, 48.8246, 27.9201



## Tritanopia

42.8330, 49.3901, 67.5973

# Trichromacy



## Original Color

34.5910, 49.4663, 26.7936

## Protanomaly

40.3646, 48.7261, 25.0469

## Deuteranomaly

42.4056, 47.7905, 27.4116

## Tritanomaly

39.2145, 49.2652, 49.5618

# Monochromacy



## Original Color

34.5910, 49.4663, 26.7936

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

37.1574, 43.9166, 37.5287

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 34.5910, 49.4663, 26.7936 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(131, 204, 124)` looks like.

```
.text, #text, p{  
    color:rgb(131, 204, 124)  
}
```

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(131, 204, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 204, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 34.5910, 49.4663, 26.7936 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(131, 204, 124) }
```



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

```
.border{ border-color:rgb(131, 204, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 204, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 204, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 204, 124);  
box-shadow:4px 4px 4px 4px rgb(131, 204,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 34.5910, 49.4663, 26.7936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 204, 124) }
```

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

```
.background{ background-color: rgb(131,  
204, 124) }
```

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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