

# Converting Colors

XYZ(26.9387, 35.8268, 21.7940)

Have a look what the booklet for  
XYZ(26.9387, 35.8268, 21.7940)  
contains.

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# Color

**XYZ(26.7905, 35.6370,  
21.6863)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7FAD73
RGB	127, 173, 115
RGB Percent	50%, 68%, 45%
CMY	0.5020, 0.3216, 0.5490
CMYK	0.27, 0.00, 0.34, 0.32
HSL	108°, 26%, 56%
HSV	108°, 34%, 68%
XYZ	26.7905, 35.6370, 21.6863
YIQ	152.6340, -8.7980, -27.7900

# Conversions

## Conversions Part 2

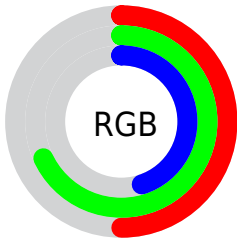
<b>Format</b>	<b>Color</b>
<b>RYB</b>	115, 173, 161
Decimal	8367475
CIELab	66.24, -26.66, 25.00
CIELCh	66, 36.545, 136.842
Yxy	35.6370, 0.3185, 0.4237
Android (android.graphics.Color)	4286557555 (0xFF7FAD73)
YUV	152.6340, -18.5536, -22.4810
Hunter-Lab	59.6967, -24.3627, 20.2492

# Details

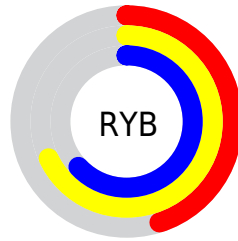
The XYZ color **26.7905, 35.6370, 21.6863** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.3731, 22.8568, 42.4535**, and the grayscale version is **30.2008, 31.7736, 34.6014**.

A 20% lighter version of the original color is **54.0504, 68.6524, 46.9617**, and **10.6803, 15.3628, 7.5567** is the 20% darker color. If you saturate the color by 10%, you get **23.9809, 34.2941, 16.8370**, and if you desaturate by 10%, it is **30.0672, 37.2012, 27.5342**.

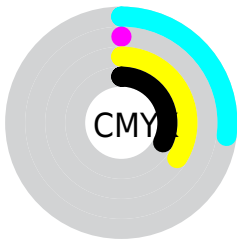
# Distribution



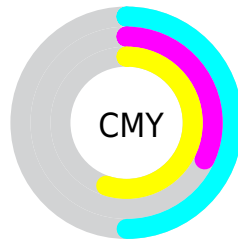
- Red (50%)
- Green (68%)
- Blue (45%)



- Red (45%)
- Yellow (68%)
- Blue (63%)



- Cyan (27%)
- Magenta (0%)
- Yellow (34%)
- Black (32%)



- Cyan (50%)
- Magenta (32%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.7905, 35.6370, 21.6863 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 26.7905, 35.6370, 21.6863 by changing the saturation by 10% instead.



■ 26.7905, 35.6370,  
21.6863

■ 26.7905, 35.6370,  
21.6863

278.8274,  
327.3711, 273.8035

■ 17.5517, 24.1540,  
13.4305

■ 53.9698, 68.4714,  
47.1225

■ 10.7264, 15.4479,  
7.5914

■ 72.6410, 90.5916,  
65.1399

■ 5.9491, 9.1343,  
3.7506

■ 95.1870, 117.0263,  
87.2483

■ 2.8545, 4.8289,  
1.4896

121.9733,  
148.1599, 113.8662

■ 1.0773, 2.1472,  
0.2101

153.3651,  
184.3768, 145.4121

■ 0.0060, 0.6910,  
0.0000

189.7278,

■ 0.0000, 0.0000,

226.0613, 182.3046

0.0000

231.4268,  
273.5980, 224.9622

■ 26.7905, 35.6370,  
21.6863

■ 26.7905, 35.6370,  
21.6863

■ 23.9809, 34.2941,  
16.8370

■ 30.0672, 37.2012,  
27.5342

■ 21.6139, 33.1579,  
12.9283

■ 33.8284, 38.9915,  
34.4298

■ 19.6670, 32.2193,  
9.8998


■ 38.0940, 41.0180,  
42.4217


■ 18.1146, 31.4664,  
7.6831


■ 42.8820, 43.2891,  
51.5548


■ 16.9278, 30.8862,  
6.1997


■ 48.2094, 45.8127,  
61.8714


 16.0737, 30.4637,  
5.3556

 54.0925, 48.5962,  
73.4117

 15.6645, 30.2599,  
5.0151

 60.5469, 51.6469,  
86.2142

 67.5876, 54.9717,  
100.3154

 72.5959, 57.5240,  
101.8848

# Harmonies

## Analogous

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



30.9265, 35.6370, 16.5887



26.7905, 35.6370, 21.6863



24.6610, 35.6370, 32.3659

# Triad

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



26.7905, 35.6370, 21.6863



31.5427, 35.6370, 75.9613



44.9201, 35.6370, 30.7432

# Complementary

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



26.7905, 35.6370, 21.6863



28.3731, 22.8568, 42.4535

# 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.



45.1308, 35.6370, 46.0407



26.7905, 35.6370, 21.6863



36.9986, 35.6370, 75.1828

# Square

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



26.7905, 35.6370, 21.6863



27.1998, 35.6370, 65.0601



42.1026, 35.6370, 63.1544



41.5546, 35.6370, 20.7741



# Rectangle

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



26.7905, 35.6370, 21.6863



24.4991, 35.6370, 42.4875



42.1026, 35.6370, 63.1544



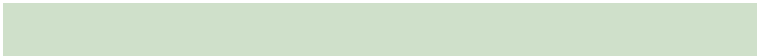
45.3739, 35.6370, 35.3372

# Sweetspot

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



26.7914, 35.6385, 21.6871



63.0403, 70.9971, 66.2335



32.9757, 35.4158, 21.3181



13.4812, 15.3252, 13.9858



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.



26.7914, 35.6385, 21.6871



44.2874, 62.0583, 32.4333



26.1411, 35.1841, 27.0413



8.0536, 9.0162, 8.5292



11.5471, 22.2498, 3.6861



0.3648, 0.6414, 0.1046



# Inverse Universe

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



28.3731, 22.8568, 42.4535



47.5295, 35.7289, 75.1971



29.4145, 23.5662, 34.7045



8.1724, 8.0632, 10.0783



13.1940, 6.1616, 29.5384



0.4074, 0.1922, 0.8236



# Previews

## White Background



This preview shows how the XYZ color 26.7905, 35.6370, 21.6863 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 26.7905, 35.6370, 21.6863 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 26.7905, 35.6370, 21.6863**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.7905, 35.6370, 21.6863.



This preview shows how white text looks on a background with the XYZ color 26.7905, 35.6370,



# 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

26.7905, 35.6370, 21.6863

### Protanopia

32.8408, 35.2661, 19.8280

### Deuteranopia

35.8716, 35.2619, 22.3684



## Tritanopia

31.9722, 35.5279, 47.2919

# Trichromacy



## Original Color

26.7905, 35.6370, 21.6863

## Protanomaly

30.2844, 35.2482, 20.5367

## Deuteranomaly

31.7408, 34.9047, 22.2039

## Tritanomaly

29.7505, 35.4402, 36.2830

# Monochromacy



## Original Color

26.7905, 35.6370, 21.6863

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

28.7326, 32.9350, 29.2688

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.7905, 35.6370, 21.6863 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(127, 173, 115)` looks like.

```
.text, #text, p{  
    color:rgb(127, 173, 115)  
}
```

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(127, 173, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 173, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 26.7905, 35.6370, 21.6863 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(127, 173, 115) }
```



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

```
.border{ border-color:rgb(127, 173, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 173, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 173, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 173, 115);  
box-shadow:4px 4px 4px 4px rgb(127, 173,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.7905, 35.6370, 21.6863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 173, 115) }
```

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

```
.background{ background-color: rgb(127,  
173, 115) }
```

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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