

# Converting Colors

XYZ(32.7690, 37.5878, 22.6929)

Have a look what the booklet for  
XYZ(32.7690, 37.5878, 22.6929)  
contains.

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# Color

**XYZ(32.7678, 37.5765,  
22.6655)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A4A976
RGB	164, 169, 118
RGB Percent	64%, 66%, 46%
CMY	0.3569, 0.3372, 0.5372
CMYK	0.03, 0.00, 0.30, 0.34
HSL	66°, 23%, 56%
HSV	66°, 30%, 66%
XYZ	32.7678, 37.5765, 22.6655
YIQ	161.6910, 13.3910, -16.9210

# Conversions

## Conversions Part 2

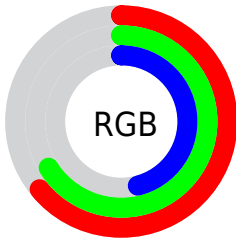
<b>Format</b>	<b>Color</b>
<b>RYB</b>	118, 169, 123
Decimal	10791286
CIELab	67.71, -10.21, 25.79
CIElCh	68, 27.740, 111.600
Yxy	37.5765, 0.3523, 0.4040
Android (android.graphics.Color)	4288981366 (0xFFA4A976)
YUV	161.6910, -21.5397, 2.0250
Hunter-Lab	61.2997, -11.8571, 20.9873

# Details

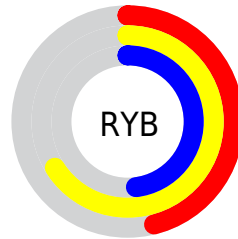
The XYZ color **32.7678, 37.5765, 22.6655** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.8098, 20.0334, 40.2557**, and the grayscale version is **34.2921, 36.0779, 39.2889**.

A 20% lighter version of the original color is **63.2198, 71.3117, 48.9606**, and **13.9910, 16.5318, 8.0838** is the 20% darker color. If you saturate the color by 10%, you get **31.5125, 37.0364, 17.8258**, and if you desaturate by 10%, it is **34.2094, 38.1943, 28.4548**.

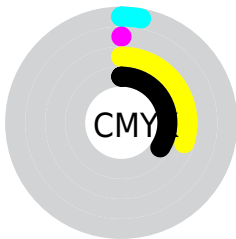
# Distribution



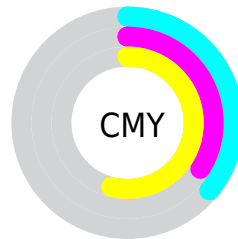
- Red (64%)
- Green (66%)
- Blue (46%)



- Red (46%)
- Yellow (66%)
- Blue (48%)



- Cyan (3%)
- Magenta (0%)
- Yellow (30%)
- Black (34%)




- Cyan (36%)
- Magenta (34%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7678, 37.5765, 22.6655 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 32.7678, 37.5765, 22.6655 by changing the saturation by 10% instead.





 32.7678, 37.5765,  
22.6655


 32.7678, 37.5765,  
22.6655


306.2857,  
335.7998, 279.0683


 22.1070, 25.6542,  
14.1437


 63.3699, 71.4586,  
48.7597

 14.0526, 16.5651,  
8.0808


 84.0420, 94.1871,  
67.1692

 8.2392, 9.9249,  
4.0582


 108.7819,  
121.2864, 89.7117

 4.3015, 5.3492,  
1.6573

137.9549,  
153.1410, 116.8058

 1.8741, 2.4536,  
0.3312

171.9264,  
190.1353, 148.8700

 0.5617, 0.8532,  
0.0000

211.0618,

 0.0000, 0.0000,

232.6535, 186.3227

0.0000

255.7264,  
281.0802, 229.5826

■ 32.7678, 37.5765,  
22.6655

■ 32.7678, 37.5765,  
22.6655

■ 31.5125, 37.0364,  
17.8258

■ 34.2094, 38.1943,  
28.4548

■ 30.4311, 36.5651,  
13.8827

■ 35.8435, 38.8882,  
35.2381

■ 29.5140, 36.1600,  
10.7816

■ 37.6792, 39.6633,  
43.0600

■ 28.7494, 35.8164,  
8.4610

■ 39.7245, 40.5228,  
51.9617

■ 28.1243, 35.5291,  
6.8513

■ 41.9866, 41.4695,  
61.9820

■ 27.6228, 35.2918,  
5.8701

■ 44.4728, 42.5064,  
73.1579

■ 27.2166, 35.0937,  
5.3393

■ 47.1896, 43.6360,  
85.5248

■ 50.1435, 44.8610,  
99.1163

■ 50.8119, 45.1724,  
100.6488

# Harmonies

## Analogous

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



36.9323, 37.5765, 21.7318



32.7678, 37.5765, 22.6655



29.6406, 37.5765, 27.9401

# Triad

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



32.7678, 37.5765, 22.6655



30.8390, 37.5765, 62.3285



44.5003, 37.5765, 44.4584

# Complementary

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



32.7678, 37.5765, 22.6655



21.8098, 20.0334, 40.2557

# 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.



42.5680, 37.5765, 57.3878



32.7678, 37.5765, 22.6655



34.5254, 37.5765, 68.9728

# Square

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



32.7678, 37.5765, 22.6655



28.5906, 37.5765, 50.2285



38.8345, 37.5765, 67.0035



43.9351, 37.5765, 32.8294



# Rectangle

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



32.7678, 37.5765, 22.6655



28.4551, 37.5765, 33.9103



38.8345, 37.5765, 67.0035



44.1161, 37.5765, 48.8221

# Sweetspot

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



32.7688, 37.5782, 22.6663



64.5076, 69.7769, 64.4446



26.6238, 23.7246, 20.3162



13.9647, 15.1680, 13.6454



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656



# Same Dimension

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



32.7688, 37.5782, 22.6663



57.1922, 66.6543, 34.7985



28.1487, 35.1964, 22.4501



8.0732, 8.7359, 8.0500



20.3084, 26.1666, 3.9803



0.5142, 0.6470, 0.0978



# Inverse Universe

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



21.8098, 20.0334, 40.2557



34.4859, 30.2946, 71.2549



25.8087, 22.0949, 40.4428



7.1976, 7.3345, 9.4547



5.5265, 2.2325, 28.1151



0.1549, 0.0649, 0.6850



# Previews

## White Background



This preview shows how the XYZ color 32.7678, 37.5765, 22.6655 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 32.7678, 37.5765, 22.6655 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

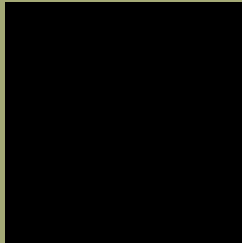
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

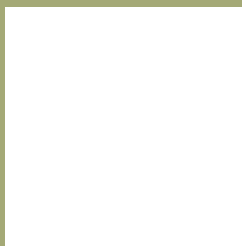
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 32.7678, 37.5765, 22.6655**

## **Background**



This preview shows how black text looks on a background with the XYZ color 32.7678, 37.5765, 22.6655.



This preview shows how white text looks on a background with the XYZ color 32.7678, 37.5765,



# 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

32.7678, 37.5765, 22.6655

### Protanopia

34.9676, 37.6362, 21.9445

### Deuteranopia

38.1227, 37.4119, 22.9812



## Tritanopia

37.4528, 37.5937, 45.8398

# Trichromacy



## Original Color

32.7678, 37.5765, 22.6655

## Protanomaly

34.0807, 37.4410, 22.2602

## Deuteranomaly

36.0173, 37.3629, 22.7662

## Tritanomaly

35.4363, 37.5682, 35.9555

# Monochromacy



## Original Color

32.7678, 37.5765, 22.6655

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

33.7477, 36.7721, 32.5132

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.7678, 37.5765, 22.6655 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(164, 169, 118)` looks like.

```
.text, #text, p{  
    color:rgb(164, 169, 118)  
}
```

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(164, 169, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 169, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 32.7678, 37.5765, 22.6655 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(164, 169, 118) }
```



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

```
.border{ border-color:rgb(164, 169, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 169, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 169, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 169, 118);  
box-shadow:4px 4px 4px 4px rgb(164, 169,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.7678, 37.5765, 22.6655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 169, 118) }
```

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

```
.background{ background-color: rgb(164,  
169, 118) }
```

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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