

# Converting Colors

XYZ(37.7054, 35.7073, 22.9941)

Have a look what the booklet for  
XYZ(37.7054, 35.7073, 22.9941)  
contains.

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# Color

**XYZ(37.7054, 35.7073,  
22.9941)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C59879
RGB	197, 152, 121
RGB Percent	77%, 60%, 47%
CMY	0.2275, 0.4039, 0.5255
CMYK	0.00, 0.23, 0.39, 0.23
HSL	24°, 40%, 62%
HSV	24°, 39%, 77%
XYZ	37.7054, 35.7073, 22.9941
YIQ	161.9210, 36.7710, -0.1010

# Conversions

## Conversions Part 2

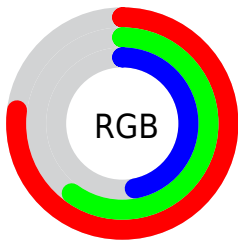
<b>Format</b>	<b>Color</b>
<b>RYB</b>	197, 173, 121
Decimal	12949625
CIELab	66.30, 12.67, 22.79
CIELCh	66, 26.071, 60.935
Yxy	35.7073, 0.3911, 0.3704
Android (android.graphics.Color)	4291139705 (0xFFC59879)
YUV	161.9210, -20.1741, 30.7643
Hunter-Lab	59.7556, 8.0601, 19.0140

# Details

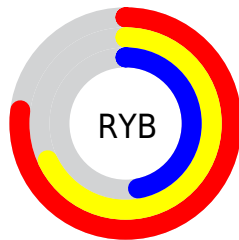
The XYZ color **37.7054, 35.7073, 22.9941** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.5989, 35.3673, 57.9844**, and the grayscale version is **34.3859, 36.1766, 39.3963**.

A 20% lighter version of the original color is **70.9513, 68.4586, 49.5187**, and **16.9787, 15.5260, 8.2328** is the 20% darker color. If you saturate the color by 10%, you get **34.8178, 31.6721, 16.6677**, and if you desaturate by 10%, it is **41.0277, 40.2170, 30.6832**.

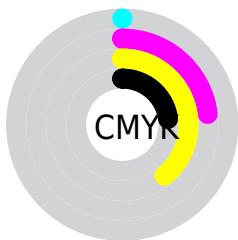
# Distribution



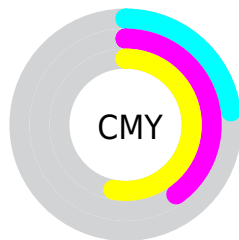
- Red (77%)
- Green (60%)
- Blue (47%)



- Red (77%)
- Yellow (68%)
- Blue (47%)



- Cyan (0%)
- Magenta (23%)
- Yellow (39%)
- Black (23%)




- Cyan (23%)
- Magenta (40%)
- Yellow (53%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7054, 35.7073, 22.9941 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 37.7054, 35.7073, 22.9941 by changing the saturation by 10% instead.





 37.7054, 35.7073,  
22.9941


 37.7054, 35.7073,  
22.9941


327.6573,  
327.6794, 280.8156


 25.9303, 24.2082,  
14.3839


 70.9632, 68.5801,  
49.3067

 16.9039, 15.4882,  
8.2464


 93.1766, 90.7225,  
67.8462

 10.2609, 9.1627,  
4.1630


 119.6001,  
117.1816, 90.5325

 5.6359, 4.8475,  
1.7152

150.5991,  
148.3416, 117.7842

 2.6635, 2.1580,  
0.3711

186.5390,  
184.5870, 150.0198

 0.9784, 0.6970,  
0.0000

227.7851,

 0.0000, 0.0000,

226.3022, 187.6579

0.0000

274.7027,  
273.8715, 231.1170

■ 37.7054, 35.7073,  
22.9941

■ 37.7054, 35.7073,  
22.9941

■ 34.8178, 31.6721,  
16.6677

■ 41.0277, 40.2170,  
30.6832

■ 32.3418, 28.0894,  
11.6206

■ 44.8009, 45.2118,  
39.8076

■ 30.2558, 24.9432,  
7.7631


■ 49.0438, 50.7084,  
50.4370


■ 28.5350, 22.2139,  
4.9932


■ 53.7730, 56.7211,  
62.6361

■ 27.1507, 19.8803,  
3.1909


■ 59.0044, 63.2635,  
76.4657


 26.0605, 17.9148,  
2.1648

 64.7531, 70.3489,  
91.9833

 25.9215, 17.6615,  
2.0428

 70.3988, 77.7360,  
105.9019

 73.8228, 84.5840,  
107.0432

 76.8359, 90.6103,  
108.0476

# Harmonies

## Analogous

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



40.7706, 35.7073, 28.8699



37.7054, 35.7073, 22.9941



33.8167, 35.7073, 21.1464

# Triad

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



37.7054, 35.7073, 22.9941



26.9929, 35.7073, 39.2300



37.9328, 35.7073, 60.3114

# Complementary

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



37.7054, 35.7073, 22.9941



31.5989, 35.3673, 57.9844

# 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.



34.0610, 35.7073, 64.4856



37.7054, 35.7073, 22.9941



27.9161, 35.7073, 50.9698

# Square

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



37.7054, 35.7073, 22.9941



27.8090, 35.7073, 29.3695



30.4316, 35.7073, 60.7813



40.9088, 35.7073, 50.2475



# Rectangle

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



37.7054, 35.7073, 22.9941



31.3345, 35.7073, 22.1012



30.4316, 35.7073, 60.7813



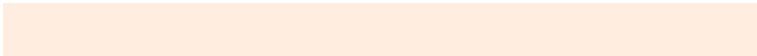
36.6834, 35.7073, 62.5274

# Sweetspot

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



37.7063, 35.7090, 22.9948



84.9993, 87.1644, 83.1502



36.8017, 28.3207, 39.8927



17.9759, 18.3754, 17.2515



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.



37.7063, 35.7090, 22.9948



63.2706, 58.0160, 31.7945



44.7610, 49.8184, 25.3464



10.9832, 11.3356, 11.1719



17.1274, 11.7720, 1.3695



0.8819, 0.6991, 0.0885



# Inverse Universe

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



31.5989, 35.3673, 57.9844



50.8302, 57.2947, 102.9877



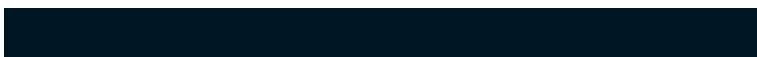
25.7612, 23.6919, 56.0385



10.5699, 11.3138, 13.5442



10.8687, 11.1312, 36.3201



0.5845, 0.6669, 1.7431



# Previews

## White Background



This preview shows how the XYZ color 37.7054, 35.7073, 22.9941 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

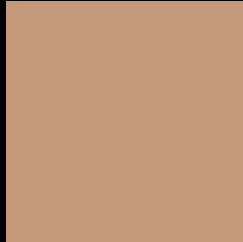
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.7054, 35.7073, 22.9941 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

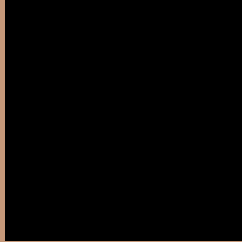
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.7054, 35.7073, 22.9941

## Background



This preview shows how black text looks on a background with the XYZ color 37.7054, 35.7073, 22.9941.



This preview shows how white text looks on a background with the XYZ color 37.7054, 35.7073,



# 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

37.7054, 35.7073, 22.9941

### Protanopia

33.4598, 35.7411, 24.5372

### Deuteranopia

36.3467, 35.7459, 22.7533



## Tritanopia

40.6927, 35.7536, 37.1041

# Trichromacy



## Original Color

37.7054, 35.7073, 22.9941

## Protanomaly

34.9210, 35.7327, 24.1254

## Deuteranomaly

36.9381, 35.8047, 22.7335

## Tritanomaly

39.6777, 35.8186, 31.6105

# Monochromacy



## Original Color

37.7054, 35.7073, 22.9941

## Achromatopsia

34.3422, 36.1307, 39.3463

## Achromatomaly

35.1725, 35.6743, 32.6358

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.7054, 35.7073, 22.9941 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(197, 152, 121)` looks like.

```
.text, #text, p{  
    color:rgb(197, 152, 121)  
}
```

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(197, 152, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 152, 121) }
```

## Border

The CSS property to change the border of an element to XYZ 37.7054, 35.7073, 22.9941 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".

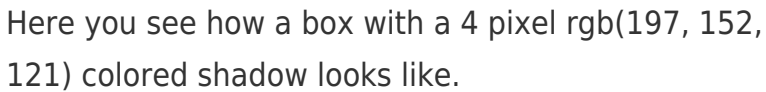
```
.border, #border, table{ border:4px solid rgb(197, 152, 121) }
```



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

```
.border{ border-color:rgb(197, 152, 121) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 152, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 152, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 152, 121);  
box-shadow:4px 4px 4px 4px rgb(197, 152,  
121) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.7054, 35.7073, 22.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 152, 121) }
```

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

```
.background{ background-color: rgb(197,  
152, 121) }
```

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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