

# Converting Colors

XYZ(37.6669, 42.4427, 47.2813)

Have a look what the booklet for  
XYZ(37.6669, 42.4427, 47.2813)  
contains.

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# Color

**XYZ(37.6669, 42.4427,  
47.2813)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9CB3B0
RGB	156, 179, 176
RGB Percent	61%, 70%, 69%
CMY	0.3882, 0.2980, 0.3098
CMYK	0.13, 0.00, 0.02, 0.30
HSL	172°, 13%, 66%
HSV	172°, 13%, 70%
XYZ	37.6669, 42.4427, 47.2813
YIQ	171.7810, -12.7450, -5.8090

# Conversions

## Conversions Part 2

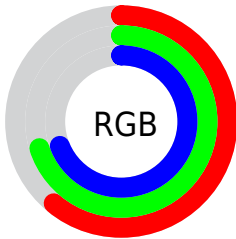
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 168, 179
Decimal	10269616
CIE Lab	71.18, -8.49, -1.15
CIE LCh	71, 8.569, 187.709
Yxy	42.4427, 0.2957, 0.3332
Android (android.graphics.Color)	4288459696 (0xFF9CB3B0)
YUV	171.7810, 2.0800, -13.8399
Hunter-Lab	65.1481, -10.8051, 2.5738

# Details

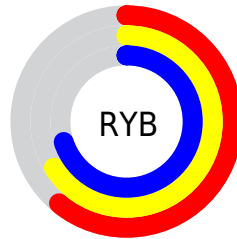
The XYZ color **37.6669, 42.4427, 47.2813** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.7384, 35.8650, 37.7892**, and the grayscale version is **39.0974, 41.1335, 44.7944**.

A 20% lighter version of the original color is **71.1378, 79.0917, 87.8608**, and **16.9246, 19.3802, 21.9175** is the 20% darker color. If you saturate the color by 10%, you get **34.2262, 40.6966, 45.9245**, and if you desaturate by 10%, it is **41.6245, 44.4571, 48.6848**.

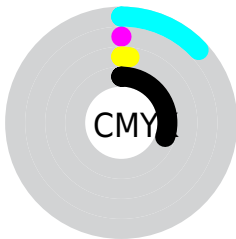
# Distribution



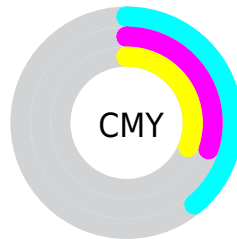
- Red (61%)
- Green (70%)
- Blue (69%)



- Red (61%)
- Yellow (66%)
- Blue (70%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (30%)



- Cyan (39%)
- Magenta (30%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6669, 42.4427, 47.2813 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 37.6669, 42.4427, 47.2813 by changing the saturation by 10% instead.



■ 37.6669, 42.4427,  
47.2813

■ 37.6669, 42.4427,  
47.2813

327.4945,  
356.3148, 392.3625

■ 25.9003, 29.4481,  
32.9022

■ 70.9045, 78.8692,  
87.4877

■ 16.8814, 19.4201,  
21.7810

■ 93.1062, 103.0699,  
114.1521

■ 10.2447, 11.9742,  
13.4993

119.5170,  
131.7747, 145.7486

■ 5.6250, 6.7261,  
7.6385

150.5022,  
165.3681, 182.6958

■ 2.6569, 3.2914,  
3.7801

186.4272,  
204.2344, 225.4123

■ 0.9750, 1.2857,  
1.5055

227.6573,

■ 0.0000, 0.1301,

248.7580, 274.3165

0.2220

274.5580,  
299.3234, 329.8271

■ 0.0000, 0.0000,  
0.0000

■ 37.6669, 42.4427,  
47.2813

■ 37.6669, 42.4427,  
47.2813

■ 34.2262, 40.6966,  
45.9245

■ 41.6245, 44.4571,  
48.6848

■ 31.2765, 39.2020,  
44.6105

■ 46.1162, 46.7453,  
50.1333

■ 28.7951, 37.9484,  
43.3390

■ 51.1631, 49.3192,  
51.6288

■ 26.7561, 36.9223,  
42.1087

■ 56.7838, 52.1884,  
53.1722

■ 25.1311, 36.1093,  
40.9181

■ 62.9961, 55.3622,  
54.7644

■ 23.8882, 35.4928,  
39.7656

■ 66.6574, 57.2204,  
56.2586

■ 22.9911, 35.0541,  
38.6495

■ 66.9150, 57.3234,  
57.6149

■ 22.3961, 34.7707,  
37.5675

■ 67.1766, 57.4280,  
58.9928

■ 22.0910, 34.6298,  
36.8118

■ 67.4424, 57.5344,  
60.3925

# Harmonies

## Analogous

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



37.8404, 42.4427, 43.2791



37.6669, 42.4427, 47.2813



38.1962, 42.4427, 51.2180

# Triad

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



37.6669, 42.4427, 47.2813



42.0523, 42.4427, 52.7523



41.3965, 42.4427, 39.2784

# Complementary

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



37.6669, 42.4427, 47.2813



36.7384, 35.8650, 37.7892

# 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.



42.5636, 42.4427, 41.5449



37.6669, 42.4427, 47.2813



42.9484, 42.4427, 49.2763

# Square

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



37.6669, 42.4427, 47.2813



40.7119, 42.4427, 54.4965



43.1377, 42.4427, 45.1607



39.9714, 42.4427, 38.8144



# Rectangle

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



37.6669, 42.4427, 47.2813



38.8840, 42.4427, 53.2218



43.1377, 42.4427, 45.1607



41.8329, 42.4427, 39.8480

# Sweetspot

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



37.6681, 42.4445, 47.2822



73.6317, 79.1529, 86.8789



36.4335, 42.0201, 37.6437



16.1903, 17.4738, 19.2059



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



37.6681, 42.4445, 47.2822



65.8954, 75.2185, 84.0856



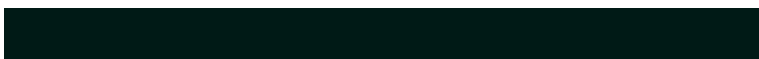
36.3295, 39.2865, 48.3181



8.6940, 9.6121, 10.6481



15.6268, 24.4767, 26.1014



0.5049, 0.7754, 0.8908



# Inverse Universe

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



36.7384, 35.8650, 37.7892



63.9517, 61.4610, 64.2369



37.9458, 38.6917, 36.9216



8.5400, 8.5227, 9.0762



13.2629, 6.8227, 1.2784



0.4316, 0.2204, 0.1154



# Previews

## White Background



This preview shows how the XYZ color 37.6669, 42.4427, 47.2813 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

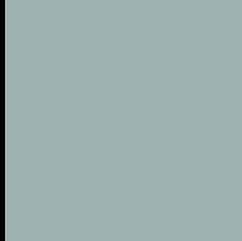
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 37.6669, 42.4427, 47.2813 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

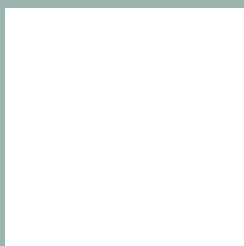
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 37.6669, 42.4427, 47.2813**

## **Background**



This preview shows how black text looks on a background with the XYZ color 37.6669, 42.4427, 47.2813.



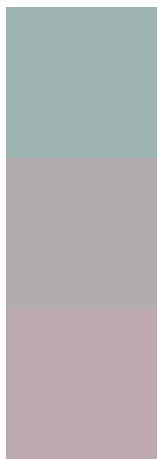
This preview shows how white text looks on a background with the XYZ color 37.6669, 42.4427,



# 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

37.6669, 42.4427, 47.2813

### Protanopia

40.6179, 42.2514, 45.5497

### Deuteranopia

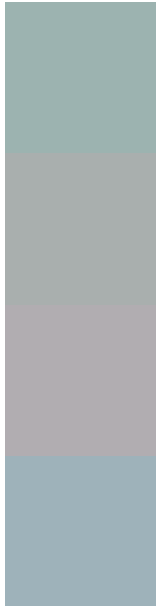
43.2101, 42.4091, 48.0278



## Tritanopia

39.4242, 42.5768, 55.4305

# Trichromacy



## Original Color

37.6669, 42.4427, 47.2813

## Protanomaly

39.3321, 42.1510, 46.1073

## Deuteranomaly

41.0108, 42.4086, 47.6191

## Tritanomaly

38.8839, 42.6551, 52.6382

# Monochromacy



## Original Color

37.6669, 42.4427, 47.2813

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

38.5987, 41.7841, 45.5659

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.6669, 42.4427, 47.2813 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(156, 179, 176)` looks like.

```
.text, #text, p{  
    color:rgb(156, 179, 176)  
}
```

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(156, 179, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 179, 176) }
```

## Border

The CSS property to change the border of an element to XYZ 37.6669, 42.4427, 47.2813 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(156, 179, 176) }
```



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

```
.border{ border-color:rgb(156, 179, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 179, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 179, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 179, 176);  
box-shadow:4px 4px 4px 4px rgb(156, 179,  
176) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.6669, 42.4427, 47.2813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 179, 176) }
```

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

```
.background{ background-color: rgb(156,  
179, 176) }
```

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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